

# Converting Colors

XYZ(84.8836, 91.3494,  
105.2063)

Have a look what the booklet for  
XYZ(84.8836, 91.3494, 105.2063)  
contains.

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# Color

**XYZ(85.0698, 91.6555,  
105.3031)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAFF8C
RGB	234, 248, 252
RGB Percent	92%, 97%, 99%
CMY	0.0823, 0.0274, 0.0118
CMYK	0.07, 0.02, 0.00, 0.01
HSL	193°, 75%, 95%
HSV	193°, 7%, 99%
XYZ	85.0698, 91.6555, 105.3031
YIQ	244.2700, -9.6280, -1.7240

# Conversions

## Conversions Part 2

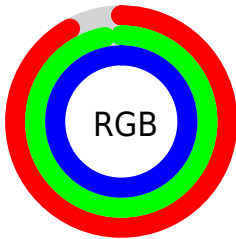
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	234, 242, 252
Decimal	15399164
CIE Lab	96.68, -3.83, -3.51
CIE LCh	97, 5.196, 222.477
Yxy	91.6555, 0.3016, 0.3250
Android (android.graphics.Color)	4293589244 (0xFFEAF8FC)
YUV	244.2700, 3.8109, -9.0068
Hunter-Lab	95.7369, -8.9281, 1.8014

# Details

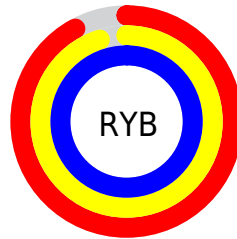
The XYZ color **85.0698, 91.6555, 105.3031** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.5711, 87.7845, 90.2775**, and the grayscale version is **86.1834, 90.6716, 98.7414**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.0601, 51.1044, 59.0136** is the 20% darker color. If you saturate the color by 10%, you get **75.6840, 84.3039, 104.3802**, and if you desaturate by 10%, it is **94.1261, 98.9186, 106.2291**.

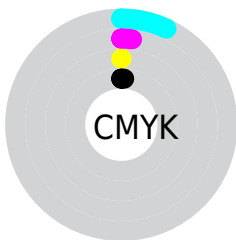
# Distribution



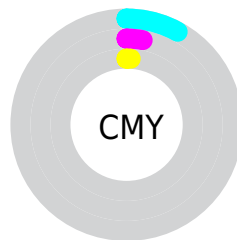
- Red (92%)
- Green (97%)
- Blue (99%)



- Red (92%)
- Yellow (95%)
- Blue (99%)



- Cyan (7%)
- Magenta (2%)
- Yellow (0%)
- Black (1%)



- Cyan (8%)
- Magenta (3%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.0698, 91.6555, 105.3031 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 85.0698, 91.6555, 105.3031 by changing the saturation by 10% instead.



85.0698, 91.6555,  
105.3031

85.0698, 91.6555,  
105.3031

500.3392,  
533.4015, 598.4557

64.2217, 69.3545,  
80.0952

139.3842,  
149.6358, 170.5412

47.0926, 51.0005,  
59.2701

173.5813,  
186.0840, 211.4084

33.3172, 36.2090,  
42.4091

212.9587,  
228.0167, 258.3326

22.5299, 24.5957,  
29.0938

257.8819,  
275.8182, 311.7322

14.3656, 15.7761,  
18.9056

308.7162,  
329.8731, 372.0258

8.4588, 9.3658,  
11.4260

365.8270,

4.4441, 4.9806,

390.5657, 439.6318

6.2364

429.5795,  
458.2804, 514.9690

■ 1.9563, 2.2359,  
2.9182

■ 0.6093, 0.7394,  
1.0530

■ 85.0698, 91.6555,  
105.3031

■ 85.0698, 91.6555,  
105.3031

■ 75.6840, 84.3039,  
104.3802

94.1261, 98.9186,  
106.2291

■ 67.4738, 77.6314,  
103.5250

94.5710, 99.8084,  
106.3774

■ 60.3885, 71.6140,  
102.7370

■ 54.3705, 66.2210,  
102.0132

■ 49.3569, 61.4195,  
101.3507

■ 45.2780, 57.1728,  
100.7460

■ 42.0545, 53.4394,  
100.1952

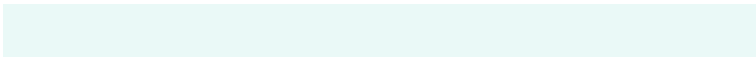
■ 39.5935, 50.1706,  
99.6940

■ 37.7758, 47.3042,  
99.2365

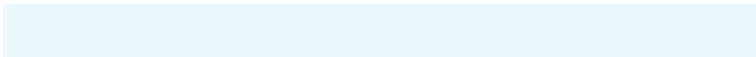
# Harmonies

## Analogous

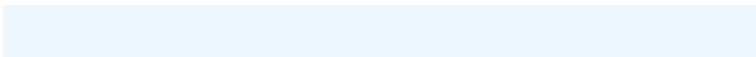
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4142, 91.6555, 101.5373



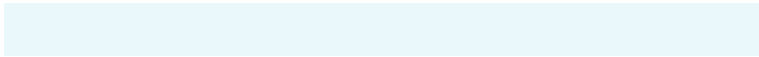
85.0698, 91.6555, 105.3031



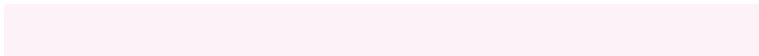
86.2767, 91.6555, 107.6298

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.0698, 91.6555, 105.3031



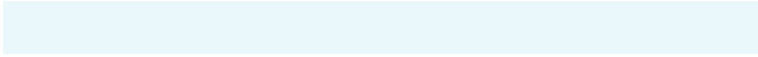
89.8094, 91.6555, 102.2278



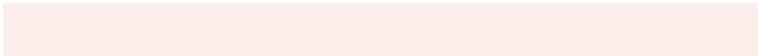
86.5131, 91.6555, 92.1811

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



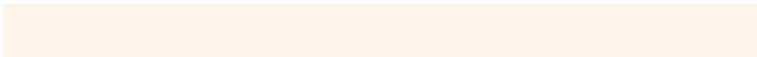
85.0698, 91.6555, 105.3031



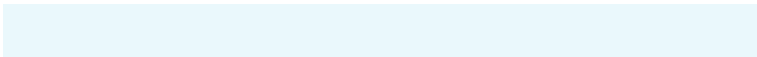
85.5711, 87.7845, 90.2775

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.9604, 91.6555, 92.3542



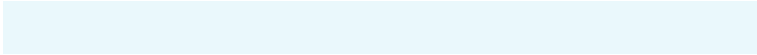
85.0698, 91.6555, 105.3031



89.8745, 91.6555, 98.0772

# Square

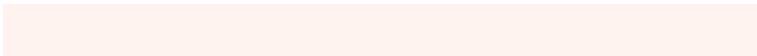
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.0698, 91.6555, 105.3031



89.0176, 91.6555, 105.8206



89.1944, 91.6555, 94.4868

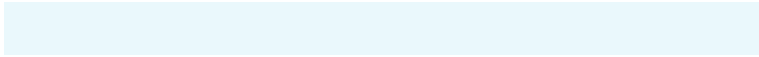


85.2412, 91.6555, 94.0069

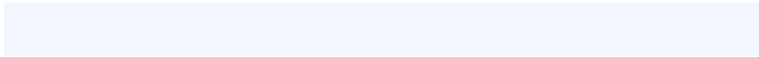


# Rectangle

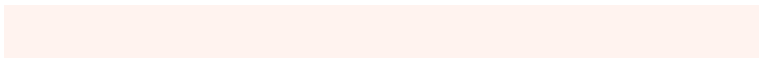
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.0698, 91.6555, 105.3031



87.2367, 91.6555, 108.0132



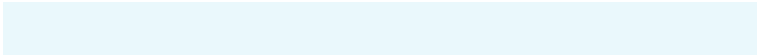
89.1944, 91.6555, 94.4868



86.9950, 91.6555, 92.0089

# Sweetspot

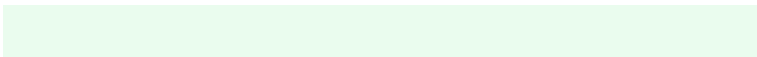
The Sweet Spot groups the original color and five complimentary colors.



85.0724, 91.6594, 105.3051



92.8384, 98.3252, 108.6933



84.1615, 93.2820, 94.3829



19.8944, 21.0633, 23.2670



0.0000, 0.0000, 0.0000

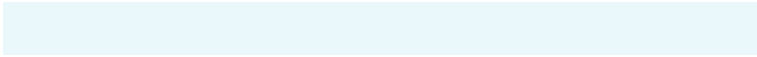


20.3446, 21.4041, 23.3091

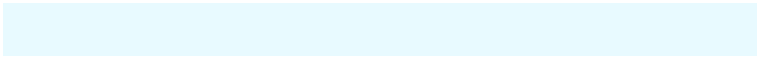


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0724, 91.6594, 105.3051



85.5010, 92.6962, 107.9935



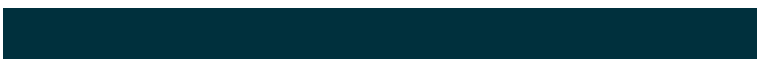
82.3997, 86.3139, 104.4142



17.4198, 18.9164, 22.1184



19.5563, 24.4682, 51.6657



1.8889, 2.4214, 4.8110



# Inverse Universe

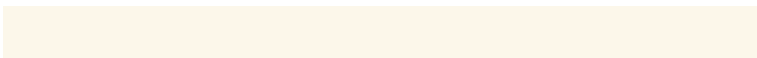
The Inverse Universe completely reimagines the original color for something new.



86.5131, 86.3202, 100.9132



87.3511, 85.8975, 102.3402



88.2278, 93.0979, 91.1631



17.8184, 17.4547, 20.8995



26.1632, 12.8810, 28.6313

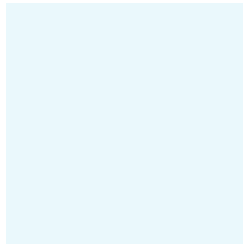


2.4623, 1.2087, 2.8581



# Previews

## White Background



This preview shows how the XYZ color 85.0698, 91.6555, 105.3031 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

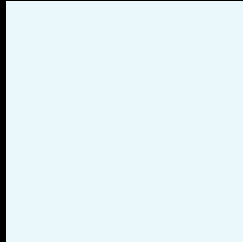
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.0698, 91.6555, 105.3031 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

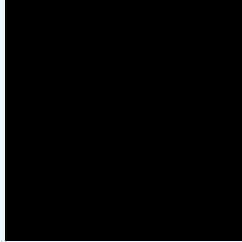
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

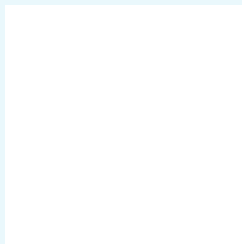
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 85.0698, 91.6555, 105.3031

## Background



This preview shows how black text looks on a background with the XYZ color 85.0698, 91.6555, 105.3031.



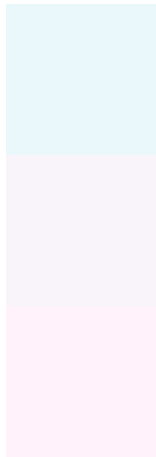
This preview shows how white text looks on a background with the XYZ color 85.0698, 91.6555,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

85.0698, 91.6555, 105.3031

### Protanopia

88.3174, 91.5600, 103.4605

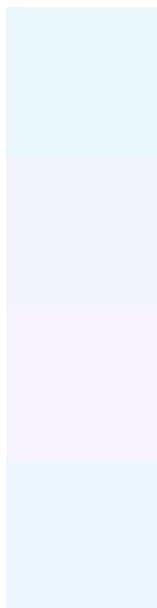
### Deuteranopia

90.2474, 91.6664, 103.3793

## **Tritanopia**

87.2814, 91.8323, 107.7329

# Trichromacy



## Original Color

85.0698, 91.6555, 105.3031

## Protanomaly

87.0271, 91.3245, 104.3074

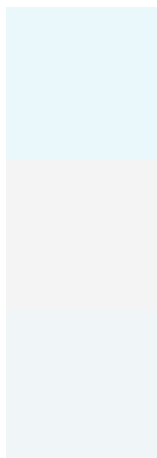
## Deuteranomaly

88.1210, 91.4406, 104.2721

## Tritanomaly

86.4101, 91.8544, 106.9413

# Monochromacy



## Original Color

85.0698, 91.6555, 105.3031

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

85.3761, 90.5455, 100.9729

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.0698, 91.6555, 105.3031 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(234, 248, 252)` looks like.

```
.text, #text, p{  
    color:rgb(234, 248, 252)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(234, 248, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 248, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 85.0698, 91.6555, 105.3031 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(234, 248, 252) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(234, 248, 252) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(234, 248, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 248, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 248, 252);  
box-shadow:4px 4px 4px 4px rgb(234, 248,  
252) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.0698, 91.6555, 105.3031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 248, 252) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(234,  
248, 252) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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