

# Converting Colors

XYZ(87.6817, 100.0000,  
106.9992)

Have a look what the booklet for  
XYZ(87.6817, 100.0000, 106.9992)  
contains.

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# **Color**

**XYZ(85.0092, 94.8792,  
105.9285)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3FFFC
RGB	227, 255, 252
RGB Percent	89%, 100%, 99%
CMY	0.1098, 0.0000, 0.0118
CMYK	0.11, 0.00, 0.01, 0.00
HSL	174°, 100%, 95%
HSV	174°, 11%, 100%
XYZ	85.0092, 94.8792, 105.9285
YIQ	246.2860, -15.7250, -6.8690

# Conversions

## Conversions Part 2

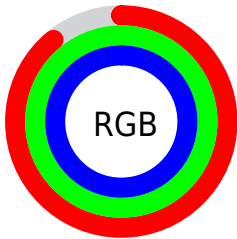
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 242, 255
Decimal	14942204
CIE Lab	97.99, -9.58, -1.65
CIE LCh	98, 9.716, 189.767
Yxy	94.8792, 0.2974, 0.3320
Android (android.graphics.Color)	4293132284 (0xFFE3FFFC)
YUV	246.2860, 2.8170, -16.9138
Hunter-Lab	97.4060, -14.6779, 3.7066

# Details

The XYZ color **85.0092, 94.8792, 105.9285** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.9925, 81.9124, 86.2995**, and the grayscale version is **87.8154, 92.3887, 100.6113**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8390, 52.9862, 59.3884** is the 20% darker color. If you saturate the color by 10%, you get **77.1237, 90.8637, 103.3179**, and if you desaturate by 10%, it is **94.0938, 99.5121, 108.6306**.

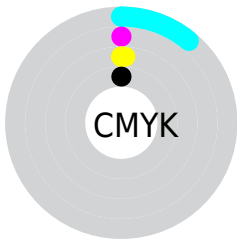
# Distribution



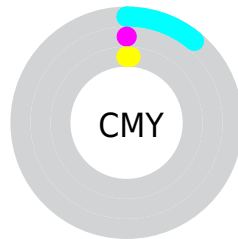
- Red (89%)
- Green (100%)
- Blue (99%)



- Red (89%)
- Yellow (95%)
- Blue (100%)



- Cyan (11%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)



- Cyan (11%)
- Magenta (0%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.0092, 94.8792, 105.9285 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 85.0092, 94.8792, 105.9285 by changing the saturation by 10% instead.



85.0092, 94.8792,  
105.9285

85.0092, 94.8792,  
105.9285

500.1417,  
543.7782, 600.4456

64.1715, 72.0344,  
80.6165

139.3000,  
154.0977, 171.4034

47.0518, 53.1868,  
59.6966

173.4838,  
191.2402, 212.4033

33.2847, 37.9519,  
42.7504

212.8470,  
233.9175, 259.4696

22.5049, 25.9454,  
29.3594

257.7550,  
282.5138, 313.0208

14.3471, 16.7828,  
19.1050

308.5731,  
337.4137, 373.4755

8.4458, 10.0797,  
11.5686

365.6667,

4.4357, 5.4519,

399.0014, 441.2521

6.3317

429.4011,  
467.6615, 516.7693

■ 1.9514, 2.5147,  
2.9758

■ 0.6065, 0.8840,  
1.0823

■ 85.0092, 94.8792,  
105.9285

■ 85.0092, 94.8792,  
105.9285

■ 77.1237, 90.8637,  
103.3179

94.0938, 99.5121,  
108.6306

■ 70.3826, 87.4374,  
100.7918

95.0500, 100.0000,  
108.9000

■ 64.7305, 84.5718,  
98.3488

■ 60.1067, 82.2357,  
95.9860

■ 56.4444, 80.3945,  
93.7001

■ 53.6690, 79.0098,  
91.4876

■ 51.6945, 78.0374,  
89.3441

■ 50.4182, 77.4241,  
87.2649

■ 49.7210, 77.1044,  
85.4375

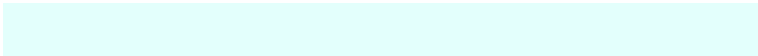
# Harmonies

## Analogous

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



85.2523, 94.8792, 98.0981



85.0092, 94.8792, 105.9285



86.1295, 94.8792, 113.4220

# Triad

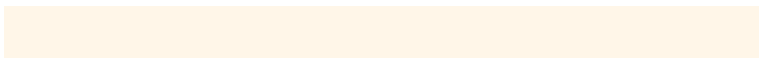
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.0092, 94.8792, 105.9285



93.6457, 94.8792, 115.5385



92.0429, 94.8792, 89.5867

# Complementary

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



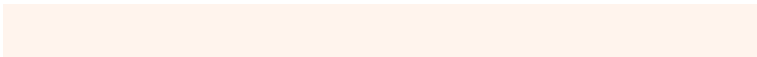
85.0092, 94.8792, 105.9285



82.9925, 81.9124, 86.2995

# 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.



94.3552, 94.8792, 93.8126



85.0092, 94.8792, 105.9285



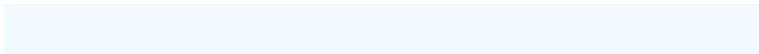
95.2937, 94.8792, 108.6977

# Square

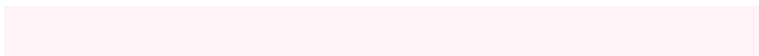
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



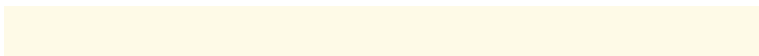
85.0092, 94.8792, 105.9285



91.0905, 94.8792, 119.1557



95.5560, 94.8792, 100.7297



89.2753, 94.8792, 88.9304

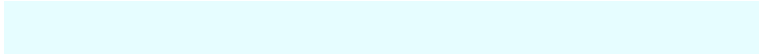


# Rectangle

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



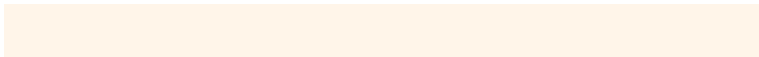
85.0092, 94.8792, 105.9285



87.5126, 94.8792, 117.1195



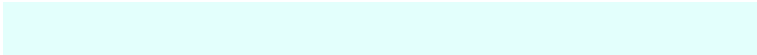
95.5560, 94.8792, 100.7297



92.9007, 94.8792, 90.6261

# Sweetspot

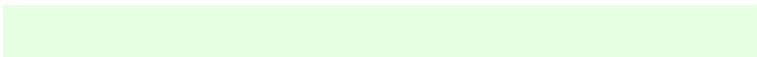
The Sweet Spot groups the original color and five complimentary colors.



85.0101, 94.8796, 105.9300



92.1597, 98.5252, 108.0777



82.3447, 93.9336, 86.4654



19.5647, 21.0062, 23.0863



0.0000, 0.0000, 0.0000

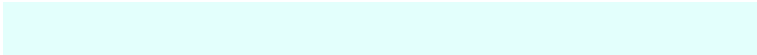


20.3446, 21.4041, 23.3091

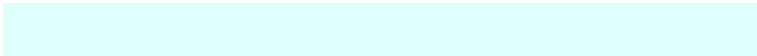


# Same Dimension

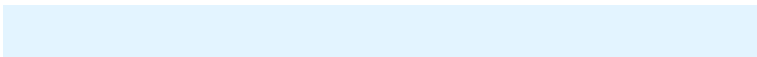
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0101, 94.8796, 105.9300



83.3219, 94.0194, 105.3952



82.1603, 88.4136, 107.3430



18.4661, 20.4460, 22.7574



26.0141, 40.3022, 44.8211



2.5559, 3.9333, 4.4853



# Inverse Universe

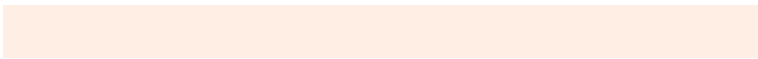
The Inverse Universe completely reimagines the original color for something new.



82.9925, 81.9124, 86.2995



80.9667, 78.8810, 82.4787



85.6027, 87.8007, 85.1099



18.0884, 18.0187, 19.0828



21.6794, 11.1610, 1.6961



2.1355, 1.0966, 0.2951



# Previews

## White Background



This preview shows how the XYZ color 85.0092, 94.8792, 105.9285 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

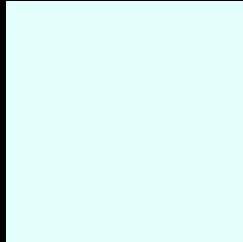
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.0092, 94.8792, 105.9285 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

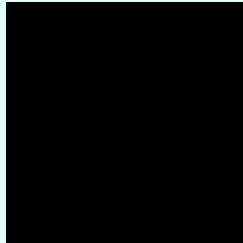
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 85.0092, 94.8792, 105.9285

## Background



This preview shows how black text looks on a background with the XYZ color 85.0092, 94.8792, 105.9285.



This preview shows how white text looks on a background with the XYZ color 85.0092, 94.8792,

105.9285.

# Color Blindness Simulation

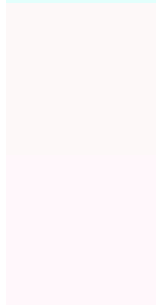
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

85.0092, 94.8792, 105.9285



### Protanopia

91.0187, 94.7948, 102.3070

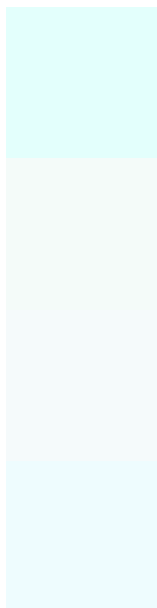
### Deuteranopia

91.9134, 94.7466, 104.7103

## **Tritanopia**

89.5438, 94.8243, 108.1912

# Trichromacy



## Original Color

85.0092, 94.8792, 105.9285

## Protanomaly

88.9043, 95.0670, 103.2865

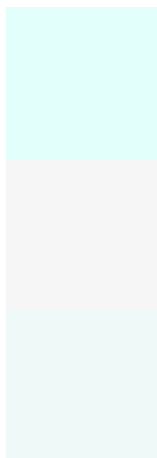
## Deuteranomaly

89.2544, 94.7487, 104.8509

## Tritanomaly

87.9597, 94.9537, 107.4579

# Monochromacy



## Original Color

85.0092, 94.8792, 105.9285

## Achromatopsia

87.5964, 92.1582, 100.3603

## Achromatomaly

86.4156, 92.8794, 102.1799

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.0092, 94.8792, 105.9285 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(227, 255, 252)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 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(227, 255, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 85.0092, 94.8792, 105.9285 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(227, 255, 252) }
```



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

```
.border{ border-color:rgb(227, 255, 252) }
```

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

Here you see how a box with a 4 pixel rgb(227, 255, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 252);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
252) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.0092, 94.8792, 105.9285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 252) }
```

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

```
.background{ background-color: rgb(227,  
255, 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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