

# Converting Colors

XYZ(90.3387, 104.9090,  
98.7466)

Have a look what the booklet for  
XYZ(90.3387, 104.9090, 98.7466)  
contains.

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# Color

**XYZ(85.5689, 95.3633,  
97.1161)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EAFFF1
RGB	234, 255, 241
RGB Percent	92%, 100%, 95%
CMY	0.0823, 0.0000, 0.0549
CMYK	0.08, 0.00, 0.05, 0.00
HSL	140°, 100%, 96%
HSV	140°, 8%, 100%
XYZ	85.5689, 95.3633, 97.1161
YIQ	247.1250, -8.0220, -8.8060

# Conversions

## Conversions Part 2

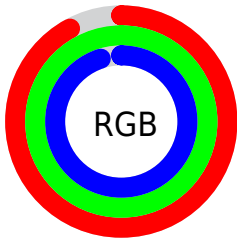
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	234, 250, 255
Decimal	15400945
CIE <sub>Lab</sub>	98.18, -9.35, 4.34
CIE <sub>LCh</sub>	98, 10.313, 155.108
Y <sub>xy</sub>	95.3633, 0.3077, 0.3430
Android (android.graphics.Color)	4293591025 (0xFFEAF <sub>FF</sub> 1)
Y <sub>UV</sub>	247.1250, -3.0196, -11.5106
Hunter-Lab	97.6541, -14.4851, 9.3946

# Details

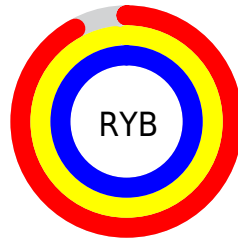
The XYZ color **85.5689, 95.3633, 97.1161** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.6066, 86.8840, 100.9598**, and the grayscale version is **88.5378, 93.1486, 101.4388**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.3111, 53.3559, 53.7041** is the 20% darker color. If you saturate the color by 10%, you get **75.3687, 90.3847, 83.9966**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

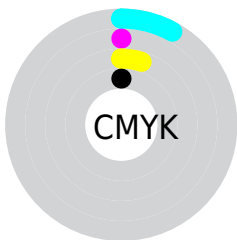
# Distribution



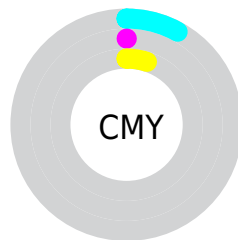
- Red (92%)
- Green (100%)
- Blue (95%)



- Red (92%)
- Yellow (98%)
- Blue (100%)



- Cyan (8%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (8%)
- Magenta (0%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.5689, 95.3633, 97.1161 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 85.5689, 95.3633, 97.1161 by changing the saturation by 10% instead.




 85.5689, 95.3633,  
97.1161

 85.5689, 95.3633,  
97.1161


501.9640,  
545.3274, 572.0740

 64.6356, 72.4374,  
73.2909


140.0777,  
154.7664, 159.2055

 47.4293, 53.5161,  
53.7206


174.3839,  
192.0124, 198.3067

 33.5845, 38.2149,  
37.9866


213.8784,  
234.8006, 243.3371

 22.7360, 26.1495,  
25.6706

258.9267,  
283.5153, 294.7150

 14.5183, 16.9355,  
16.3538

309.8940,  
338.5409, 352.8592

 8.5661, 10.1885,  
9.6178

367.1458,

 4.5141, 5.5241,

400.2619, 418.1880

5.0440

431.0473,  
469.0626, 491.1201

■ 1.9969, 2.5580,  
2.2139

■ 0.6322, 0.9056,  
0.6824

■ 85.5689, 95.3633,  
97.1161

■ 85.5689, 95.3633,  
97.1161

■ 75.3687, 90.3847,  
83.9966

95.0500, 100.0000,  
108.9000

■ 66.5518, 86.0927,  
72.1436

■ 59.0575, 82.4566,  
61.5207

■ 52.8193, 79.4430,  
52.0879

■ 47.7649, 77.0155,  
43.8031

■ 43.8142, 75.1337,  
36.6217

■ 40.8765, 73.7518,  
30.4959

■ 38.8457, 72.8161,  
25.3744

■ 37.5782, 72.2538,  
21.2003

# Harmonies

## Analogous

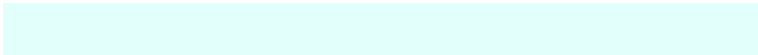
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4023, 95.3633, 91.0486



85.5689, 95.3633, 97.1161



85.0822, 95.3633, 105.2941

# Triad

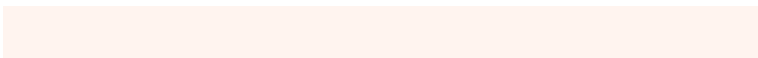
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.5689, 95.3633, 97.1161



91.1482, 95.3633, 120.9511



95.3817, 95.3633, 94.7292

# Complementary

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



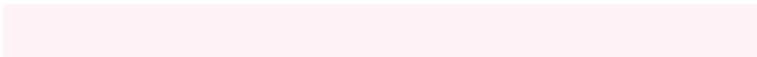
85.5689, 95.3633, 97.1161



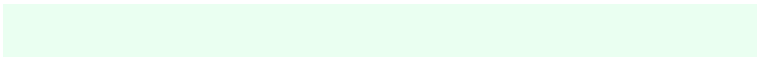
87.6066, 86.8840, 100.9598

# 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.



96.4346, 95.3633, 102.3883



85.5689, 95.3633, 97.1161



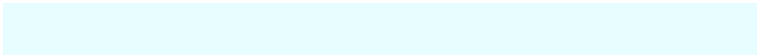
93.9566, 95.3633, 117.7645

# Square

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



85.5689, 95.3633, 97.1161



88.2627, 95.3633, 119.3517



95.9075, 95.3633, 110.8557



93.0595, 95.3633, 89.7240



# Rectangle

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



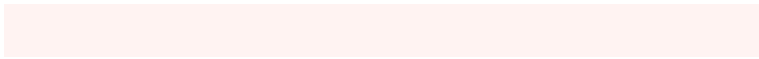
85.5689, 95.3633, 97.1161



85.5776, 95.3633, 110.9139



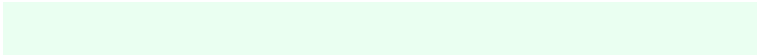
95.9075, 95.3633, 110.8557



95.8981, 95.3633, 97.0628

# Sweetspot

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



85.5697, 95.3637, 97.1176



92.6559, 98.8285, 105.9559



89.3232, 97.4172, 91.9388



19.8573, 21.1656, 22.7099



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.



85.5697, 95.3637, 97.1176



83.6656, 94.4335, 94.7074



87.1839, 96.0094, 105.6174



18.0213, 20.2681, 20.4152



19.6039, 37.7381, 11.0651



1.9570, 3.6937, 1.3316

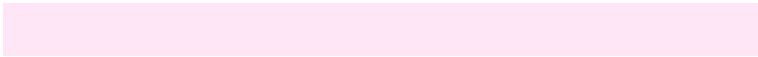


# Inverse Universe

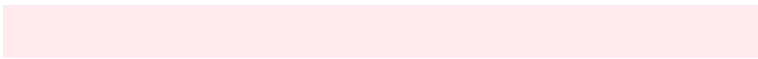
The Inverse Universe completely reimagines the original color for something new.



87.6066, 86.8840, 100.9598



86.1092, 84.2602, 99.3165



86.0228, 86.2505, 92.6196



18.5201, 18.1914, 21.3561



25.4118, 12.6540, 21.3510



2.5250, 1.2524, 2.3462



# Previews

## White Background



This preview shows how the XYZ color 85.5689, 95.3633, 97.1161 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

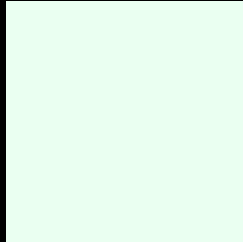
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.5689, 95.3633, 97.1161 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

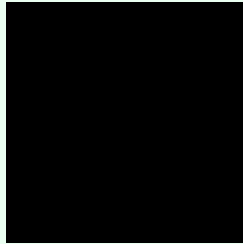
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

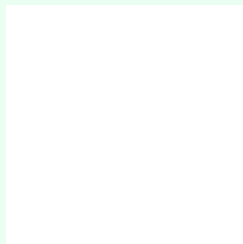
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 85.5689, 95.3633, 97.1161

## Background



This preview shows how black text looks on a background with the XYZ color 85.5689, 95.3633, 97.1161.



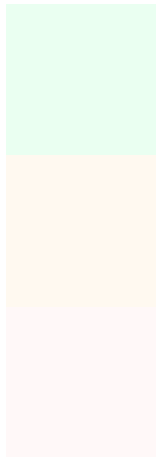
This preview shows how white text looks on a background with the XYZ color 85.5689, 95.3633,

97.1 61.

# 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

85.5689, 95.3633, 97.1161

### Protanopia

90.8439, 95.3026, 96.0453

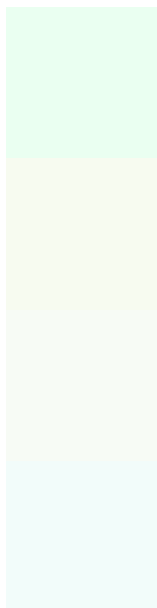
### Deuteranopia

91.7507, 95.1721, 102.3412

## **Tritanopia**

90.5934, 95.3654, 108.2403

# Trichromacy



## Original Color

85.5689, 95.3633, 97.1161

## Protanomaly

88.5831, 95.0598, 96.1176

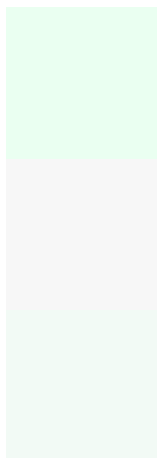
## Deuteranomaly

89.3364, 95.3611, 100.0842

## Tritanomaly

88.6837, 95.4002, 104.1824

# Monochromacy



## Original Color

85.5689, 95.3633, 97.1161

## Achromatopsia

88.4070, 93.0111, 101.2891

## Achromatomaly

87.2850, 93.8410, 99.8989

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.5689, 95.3633, 97.1161 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, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 241)  
}
```

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, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 85.5689, 95.3633, 97.1161 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, 255, 241) }
```



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

```
.border{ border-color:rgb(234, 255, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 255, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
241) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.5689, 95.3633, 97.1161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 255, 241) }
```

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

```
.background{ background-color: rgb(234,  
255, 241) }
```

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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