

# Converting Colors

XYZ(87.8466, 100.0000,  
90.9686)

Have a look what the booklet for  
XYZ(87.8466, 100.0000, 90.9686)  
contains.

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# **Color**

**XYZ(85.5854, 95.5233,  
90.2709)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEFFE8
RGB	238, 255, 232
RGB Percent	93%, 100%, 91%
CMY	0.0667, 0.0000, 0.0902
CMYK	0.07, 0.00, 0.09, 0.00
HSL	104°, 100%, 95%
HSV	104°, 9%, 100%
XYZ	85.5854, 95.5233, 90.2709
YIQ	247.2950, -2.7490, -10.7570

# Conversions

## Conversions Part 2

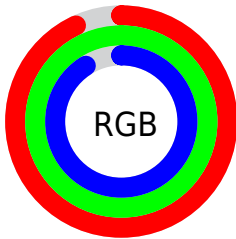
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	232, 255, 249
Decimal	15663080
CIE Lab	98.24, -9.60, 9.08
CIE LCh	98, 13.216, 136.577
Yxy	95.5233, 0.3154, 0.3520
Android (android.graphics.Color)	4293853160 (0xFFEEFFE8)
YUV	247.2950, -7.5404, -8.1517
Hunter-Lab	97.7360, -14.7293, 13.6538

# Details

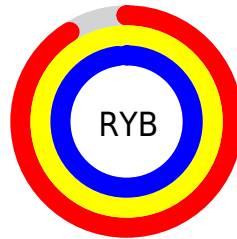
The XYZ color **85.5854, 95.5233, 90.2709** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.9742, 85.0741, 106.4974**, and the grayscale version is **88.7087, 93.3284, 101.6346**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.3220, 53.4678, 48.9005** is the 20% darker color. If you saturate the color by 10%, you get **76.2214, 91.0846, 72.2765**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

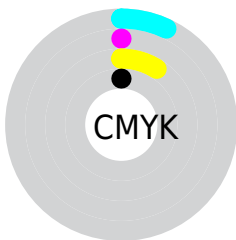
# Distribution



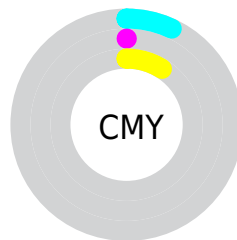
- Red (93%)
- Green (100%)
- Blue (91%)



- Red (91%)
- Yellow (100%)
- Blue (98%)



- Cyan (7%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (7%)
- Magenta (0%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.5854, 95.5233, 90.2709 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 85.5854, 95.5233, 90.2709 by changing the saturation by 10% instead.




 85.5854, 95.5233,  
90.2709

 85.5854, 95.5233,  
90.2709


502.0177,  
545.8389, 549.5045

 64.6493, 72.5706,  
67.6304

140.1006,  
154.9874, 149.6534

 47.4404, 53.6249,  
49.1323


174.4104,  
192.2675, 187.2325

 33.5934, 38.3019,  
34.3581


213.9088,  
235.0923, 230.6282

 22.7428, 26.2171,  
22.8892

258.9612,  
283.8460, 280.2590

 14.5233, 16.9861,  
14.3072

309.9330,  
338.9132, 336.5435

 8.5697, 10.2246,  
8.1935

367.1894,

 4.5164, 5.5481,

400.6781, 399.9002

4.1294

431.0958,  
469.5252, 470.7477

■ 1.9982, 2.5723,  
1.6966

■ 0.6330, 0.9128,  
0.3584

■ 85.5854, 95.5233,  
90.2709

■ 85.5854, 95.5233,  
90.2709

■ 76.2214, 91.0846,  
72.2765

95.0500, 100.0000,  
108.9000

■ 68.0020, 87.1779,  
56.9600

■ 60.8825, 83.7828,  
44.1946

■ 54.8142, 80.8773,  
33.8416

■ 49.7446, 78.4377,  
25.7489

■ 45.6166, 76.4382,  
19.7473

■ 42.3662, 74.8501,  
15.6436

■ 39.9208, 73.6407,  
13.2088

■ 38.1837, 72.7679,  
12.1050

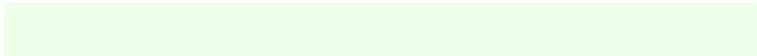
# Harmonies

## Analogous

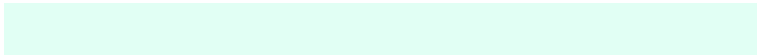
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7223, 95.5233, 85.2053



85.5854, 95.5233, 90.2709



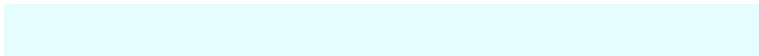
83.8654, 95.5233, 99.2237

# Triad

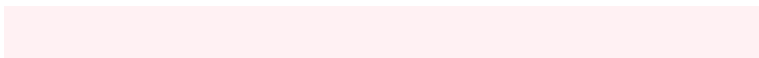
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.5854, 95.5233, 90.2709



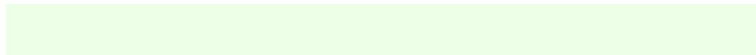
89.1055, 95.5233, 125.7309



97.9803, 95.5233, 98.1492

# Complementary

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



85.5854, 95.5233, 90.2709



85.9742, 85.0741, 106.4974

# Split Complementary

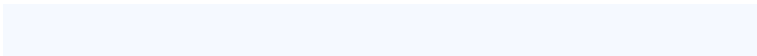
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.0899, 95.5233, 108.9450



85.5854, 95.5233, 90.2709



92.8937, 95.5233, 125.3929

# Square

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



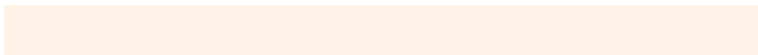
85.5854, 95.5233, 90.2709



85.8591, 95.5233, 119.9676



96.2057, 95.5233, 119.0739



95.9103, 95.5233, 89.5317

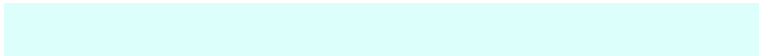


# Rectangle

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



85.5854, 95.5233, 90.2709



83.7217, 95.5233, 106.4250



96.2057, 95.5233, 119.0739



98.2496, 95.5233, 101.6292

# Sweetspot

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



85.5862, 95.5237, 90.2724



91.7929, 98.4604, 102.4459



89.6404, 94.7556, 89.9104



19.4651, 20.9883, 21.5678



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

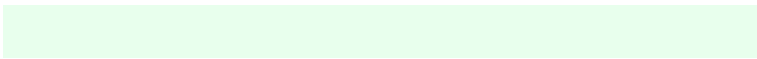
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.5862, 95.5237, 90.2724



83.6379, 94.6011, 86.4885



84.3792, 94.8121, 94.2563



18.2158, 20.3972, 19.1213



19.9955, 38.0461, 6.2898



2.0440, 3.7545, 0.6170



# Inverse Universe

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



85.9742, 85.0741, 106.4974



84.1043, 82.0293, 106.0082



87.2951, 85.8534, 102.1121



18.3030, 18.0479, 22.7689



20.4768, 9.4667, 50.1826



2.0961, 0.9745, 4.8909



# Previews

## White Background



This preview shows how the XYZ color 85.5854, 95.5233, 90.2709 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

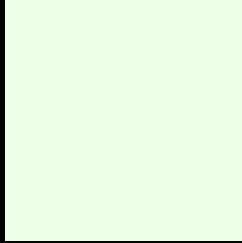
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.5854, 95.5233, 90.2709 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

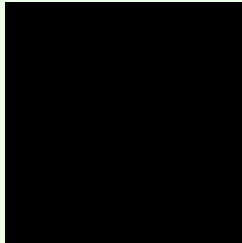
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

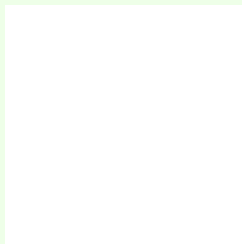
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 85.5854, 95.5233, 90.2709**

## **Background**



This preview shows how black text looks on a background with the XYZ color 85.5854, 95.5233, 90.2709.



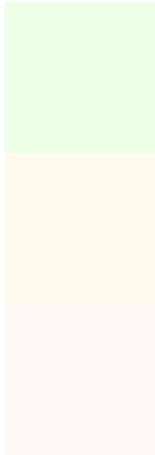
This preview shows how white text looks on a background with the XYZ color 85.5854, 95.5233,

90.2709.

# 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

85.5854, 95.5233, 90.2709

### Protanopia

90.5483, 95.1844, 94.4889

### Deuteranopia

91.5959, 95.1102, 101.5262

## Tritanopia

90.9470, 95.5477, 108.2569

# Trichromacy



## Original Color

85.5854, 95.5233, 90.2709

## Protanomaly

88.7044, 95.1902, 93.0552

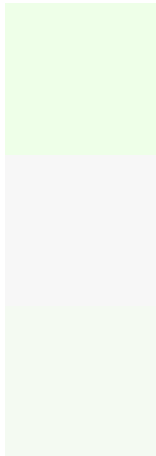
## Deuteranomaly

89.5911, 95.5449, 97.7245

## Tritanomaly

88.9071, 95.5693, 101.7565

# Monochromacy



## Original Color

85.5854, 95.5233, 90.2709

## Achromatopsia

88.4070, 93.0111, 101.2891

## Achromatomaly

87.5208, 94.0151, 97.5383

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.5854, 95.5233, 90.2709 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(238, 255, 232) looks like.

```
.text, #text, p{  
    color:rgb(238, 255, 232)  
}
```

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(238, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 255, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 85.5854, 95.5233, 90.2709 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(238, 255, 232) }
```



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

```
.border{ border-color:rgb(238, 255, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 255, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(238, 255,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.5854, 95.5233, 90.2709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 255, 232) }
```

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

```
.background{ background-color: rgb(238,  
255, 232) }
```

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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