

# Converting Colors

XYZ(86.2650, 93.1259, 95.2366)

Have a look what the booklet for  
XYZ(86.2650, 93.1259, 95.2366)  
contains.

<b>XYZ(86.0736, 92.8606, 95.0487)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(86.0736, 92.8606,  
95.0487)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F2F9EF
RGB	242, 249, 239
RGB Percent	95%, 98%, 94%
CMY	0.0510, 0.0235, 0.0627
CMYK	0.03, 0.00, 0.04, 0.02
HSL	102°, 45%, 96%
HSV	102°, 4%, 98%
XYZ	86.0736, 92.8606, 95.0487
YIQ	245.7670, -0.9620, -4.5940

# Conversions

## Conversions Part 2

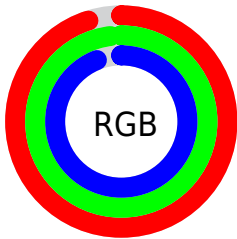
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	239, 249, 246
Decimal	15923695
CIE Lab	97.17, -4.06, 3.98
CIE LCh	97, 5.688, 135.603
Yxy	92.8606, 0.3142, 0.3389
Android (android.graphics.Color)	4294113775 (0xFFFF2F9EF)
YUV	245.7670, -3.3361, -3.3037
Hunter-Lab	96.3642, -9.1991, 8.9743

# Details

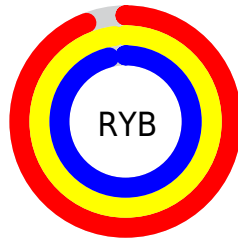
The XYZ color **86.0736, 92.8606, 95.0487** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.9751, 88.1679, 102.1141**, and the grayscale version is **87.4380, 91.9916, 100.1789**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.8669, 51.9979, 52.3135** is the 20% darker color. If you saturate the color by 10%, you get **76.9446, 88.5533, 76.7232**, and if you desaturate by 10%, it is **93.1675, 96.2350, 108.2725**.

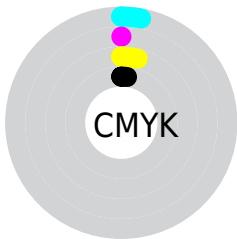
# Distribution



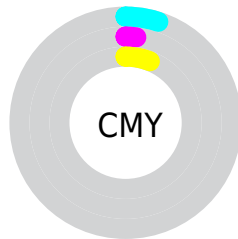
- Red (95%)
- Green (98%)
- Blue (94%)



- Red (94%)
- Yellow (98%)
- Blue (96%)



- Cyan (3%)
- Magenta (0%)
- Yellow (4%)
- Black (2%)



- Cyan (5%)
- Magenta (2%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.0736, 92.8606, 95.0487 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 86.0736, 92.8606, 95.0487 by changing the saturation by 10% instead.



86.0736, 92.8606,  
95.0487

86.0736, 92.8606,  
95.0487

503.6042,  
537.2930, 565.3092

65.0543, 70.3556,  
71.5784

140.7785,  
151.3056, 156.3280

47.7700, 51.8165,  
52.3296

175.1948,  
188.0144, 194.9742

33.8553, 36.8589,  
36.8838

214.8075,  
230.2267, 239.5160

22.9448, 25.0982,  
24.8225

259.9819,  
278.3268, 290.3720

14.6732, 16.1503,  
15.7270

311.0835,  
332.6990, 347.9608

8.6752, 9.6305,  
9.1789

368.4774,

4.5853, 5.1547,

393.7279, 412.7009

4.7597

432.5292,  
461.7977, 485.0109

■ 2.0383, 2.3383,  
2.0507

■ 0.6553, 0.7939,  
0.5862

■ 86.0736, 92.8606,  
95.0487

■ 86.0736, 92.8606,  
95.0487

■ 76.9446, 88.5533,  
76.7232

■ 93.1675, 96.2350,  
108.2725

■ 68.8538, 84.7224,  
60.9825

■ 61.7654, 81.3545,  
47.7118

■ 55.6382, 78.4313,  
36.7857

■ 50.4281, 75.9330,  
28.0676

■ 46.0873, 73.8382,  
21.4066

■ 42.5632, 72.1234,  
16.6331

■ 39.7964, 70.7625,  
13.5505

■ 37.7177, 69.7248,  
11.9184

# Harmonies

## Analogous

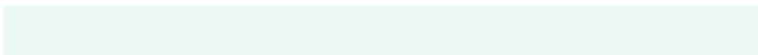
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4334, 92.8606, 92.8302



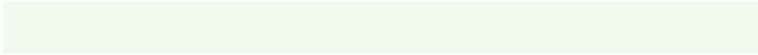
86.0736, 92.8606, 95.0487



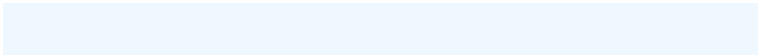
85.3045, 92.8606, 98.9269

# Triad

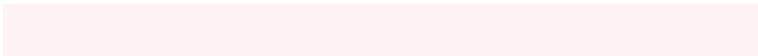
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.0736, 92.8606, 95.0487



87.4958, 92.8606, 109.9177



91.2683, 92.8606, 98.7498

# Complementary

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



86.0736, 92.8606, 95.0487



85.9751, 88.1679, 102.1141

# 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.



91.2855, 92.8606, 103.3238



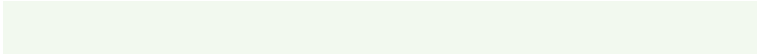
86.0736, 92.8606, 95.0487



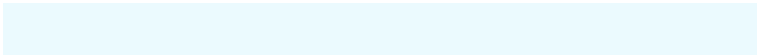
89.0942, 92.8606, 109.8668

# Square

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



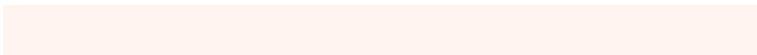
86.0736, 92.8606, 95.0487



86.1188, 92.8606, 107.5596



90.4856, 92.8606, 107.4224

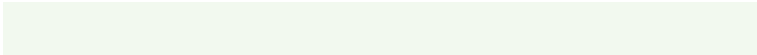


90.4389, 92.8606, 94.9224

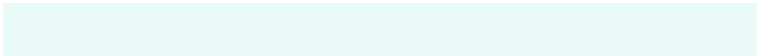


# Rectangle

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



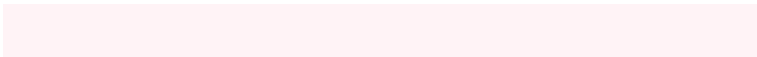
86.0736, 92.8606, 95.0487



85.2241, 92.8606, 101.9752



90.4856, 92.8606, 107.4224



91.3696, 92.8606, 100.2485

# Sweetspot

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



86.0762, 92.8646, 95.0507



93.9883, 99.4998, 106.7215



87.6065, 92.2873, 94.8586



20.1286, 21.3023, 22.8657



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.



86.0762, 92.8646, 95.0507



89.8562, 97.5519, 98.2949



85.3523, 92.4571, 96.5686



18.2692, 19.9213, 19.8519



19.7966, 37.1238, 6.1222



1.9355, 3.4909, 0.5718



# Inverse Universe

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



85.9751, 88.1679, 102.1141



89.7241, 91.4153, 107.5237



86.7253, 88.5906, 100.5286



18.2385, 18.4968, 21.9943



18.6873, 8.5763, 48.6440

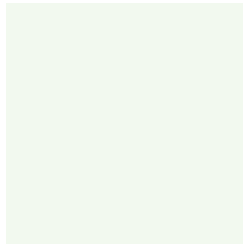


1.8377, 0.8494, 4.5103



# Previews

## White Background



This preview shows how the XYZ color 86.0736, 92.8606, 95.0487 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

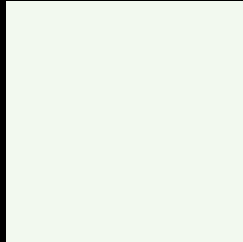
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.0736, 92.8606, 95.0487 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

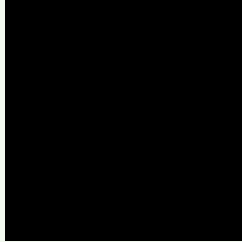
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

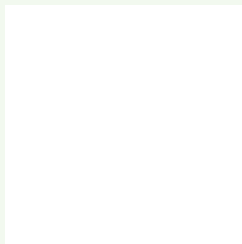
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 86.0736, 92.8606, 95.0487

## Background



This preview shows how black text looks on a background with the XYZ color 86.0736, 92.8606, 95.0487.



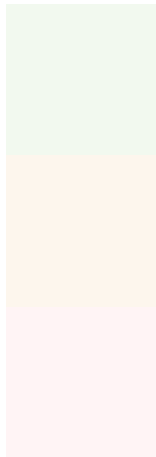
This preview shows how white text looks on a background with the XYZ color 86.0736, 92.8606,

95.0487.

# 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

86.0736, 92.8606, 95.0487

### Protanopia

88.7498, 92.9086, 93.3763

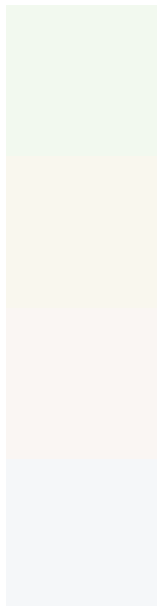
### Deuteranopia

90.0721, 92.5539, 99.5036

## **Tritanopia**

89.0118, 92.7244, 107.8139

# Trichromacy



## Original Color

86.0736, 92.8606, 95.0487

## Protanomaly

87.7603, 92.8343, 94.1823

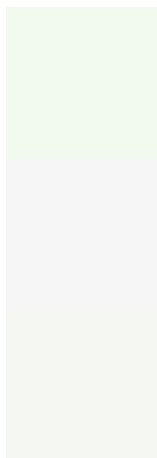
## Deuteranomaly

88.5578, 92.7066, 98.0207

## Tritanomaly

88.0158, 92.7736, 102.8907

# Monochromacy



## Original Color

86.0736, 92.8606, 95.0487

## Achromatopsia

87.5964, 92.1582, 100.3603

## Achromatomaly

87.0946, 92.4051, 98.0396

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.0736, 92.8606, 95.0487 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(242, 249, 239) looks like.

```
.text, #text, p{  
    color:rgb(242, 249, 239)  
}
```

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(242, 249, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 249, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 86.0736, 92.8606, 95.0487 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(242, 249, 239) }
```



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

```
.border{ border-color:rgb(242, 249, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 249, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 249, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 249, 239);  
box-shadow:4px 4px 4px 4px rgb(242, 249,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.0736, 92.8606, 95.0487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 249, 239) }
```

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

```
.background{ background-color: rgb(242,  
249, 239) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor