

Converting Colors

XYZ(86.9625, 89.9917,
107.3945)

Have a look what the booklet for
XYZ(86.9625, 89.9917, 107.3945)
contains.

XYZ(86.7643, 89.7789, 107.3638)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(86.7643, 89.7789,
107.3638)**

Conversions

Conversions Part 1

Format	Color
Hex	F3F2FF
RGB	243, 242, 255
RGB Percent	95%, 95%, 100%
CMY	0.0471, 0.0510, 0.0000
CMYK	0.05, 0.05, 0.00, 0.00
HSL	245°, 100%, 97%
HSV	245°, 5%, 100%
XYZ	86.7643, 89.7789, 107.3638
YIQ	243.7810, -3.5770, 4.2550

Conversions

Conversions Part 2

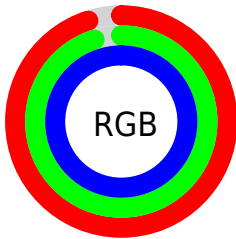
Format	Color
R_{YB}	243, 242, 255
Decimal	15987455
CIE Lab	95.90, 2.68, -6.13
CIE LCh	96, 6.688, 293.656
Yxy	89.7789, 0.3056, 0.3162
Android (android.graphics.Color)	4294177535 (0xFFFF3F2FF)
YUV	243.7810, 5.5310, -0.6849
Hunter-Lab	94.7517, -2.3628, -0.8557

Details

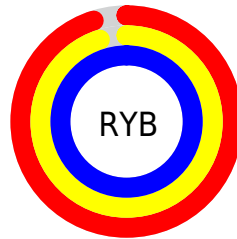
The XYZ color **86.7643, 89.7789, 107.3638** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **92.6622, 99.0026, 98.2344**, and the grayscale version is **85.7754, 90.2424, 98.2739**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.2455, 49.7598, 60.4879** is the 20% darker color. If you saturate the color by 10%, you get **72.0869, 71.7223, 104.6521**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

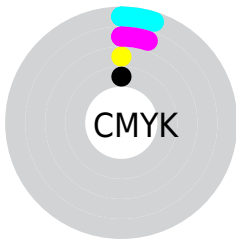
Distribution



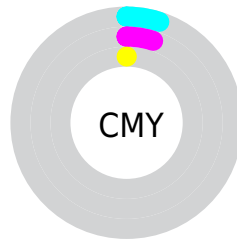
- Red (95%)
- Green (95%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 86.7643, 89.7789, 107.3638 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 86.7643, 89.7789, 107.3638 by changing the saturation by 10% instead.

86.7643, 89.7789,
107.3638

86.7643, 89.7789,
107.3638

505.8442,
527.3114, 604.9996

65.6276, 67.7973,
81.8134

141.7369,
147.0312, 173.3803

48.2367, 49.7328,
60.6768

176.3035,
183.0707, 214.6835

34.2264, 35.2012,
43.5355

216.0774,
224.5650, 262.0747

23.2313, 23.8179,
29.9710

261.4240,
271.8984, 315.9724

14.8860, 15.1986,
19.5647

312.7086,
325.4553, 376.7953

8.8252, 8.9589,
11.8981

370.2966,

4.6836, 4.7144,

385.6202, 444.9617

6.5526

434.5534,
452.7774, 520.8903

■ 2.0956, 2.0807,
3.1098

■ 0.6868, 0.6537,
1.1510

■ 86.7643, 89.7789,
107.3638

■ 86.7643, 89.7789,
107.3638

■ 72.0869, 71.7223,
104.6521

95.0500, 100.0000,
108.9000

■ 59.4244, 56.2082,
102.3250

■ 48.6908, 43.1255,
100.3655

■ 39.7913, 32.3508,
98.7548

■ 32.6229, 23.7501,
97.4726

■ 27.0724, 17.1750,
96.4960

■ 23.0132, 12.4591,
95.7996

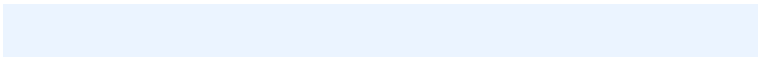
■ 20.2996, 9.4089,
95.3539

■ 18.7558, 7.7883,
95.1225

Harmonies

Analogous

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



84.9406, 89.7789, 108.2091



86.7643, 89.7789, 107.3638



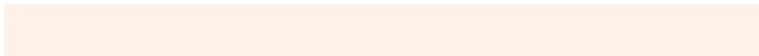
88.2232, 89.7789, 103.9028

Triad

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



86.7643, 89.7789, 107.3638



87.4530, 89.7789, 89.7925



81.8528, 89.7789, 96.6351

Complementary

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



86.7643, 89.7789, 107.3638



92.6622, 99.0026, 98.2344

Split Complementary

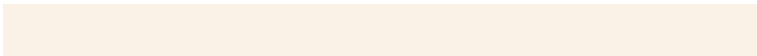
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.5050, 89.7789, 91.8526



86.7643, 89.7789, 107.3638



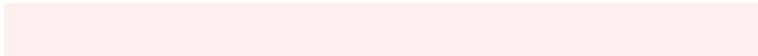
85.7249, 89.7789, 87.9950

Square

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



86.7643, 89.7789, 107.3638



88.6248, 89.7789, 93.7316



83.9158, 89.7789, 88.7354



82.1221, 89.7789, 101.8898

Rectangle

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



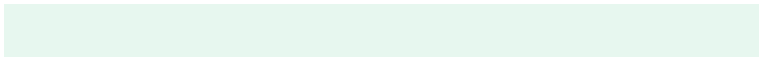
86.7643, 89.7789, 107.3638



88.7837, 89.7789, 100.6424



83.9158, 89.7789, 88.7354



81.9713, 89.7789, 94.9213

Sweetspot

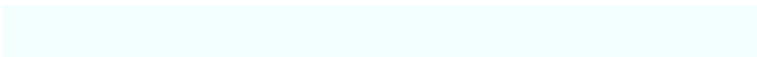
The Sweet Spot groups the original color and five complimentary colors.



86.7666, 89.7826, 107.3644



91.7333, 95.9069, 108.2848



90.1541, 97.0667, 108.5919



19.6694, 20.5709, 23.1838



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.



86.7666, 89.7826, 107.3644



85.3542, 88.0422, 107.1029



89.0024, 90.9352, 107.4691



18.0532, 18.5784, 22.8844



9.6231, 3.8714, 49.6746



0.9795, 0.3989, 4.8386

Inverse Universe

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



90.8837, 91.9235, 106.7218



90.1735, 90.5483, 106.3454



90.3705, 97.8212, 98.1271



19.1922, 19.1707, 22.7045



29.4431, 14.2665, 42.5794



2.8839, 1.3960, 4.2363

Previews

White Background



This preview shows how the XYZ color 86.7643, 89.7789, 107.3638 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 86.7643, 89.7789, 107.3638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

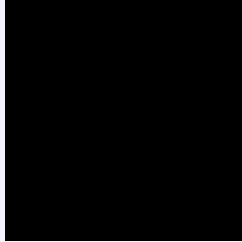
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.7643, 89.7789, 107.3638

Background



This preview shows how black text looks on a background with the XYZ color 86.7643, 89.7789, 107.3638.



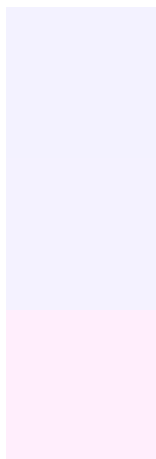
This preview shows how white text looks on a background with the XYZ color 86.7643, 89.7789,

107.3538.

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

86.7643, 89.7789, 107.3638

Protanopia

87.1104, 89.9574, 107.3800

Deuteranopia

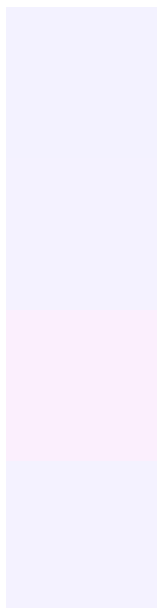
89.3852, 89.4373, 104.6475



Tritanopia

87.1104, 89.9574, 107.3800

Trichromacy



Original Color

86.7643, 89.7789, 107.3638

Protanomaly

87.1104, 89.9574, 107.3800

Deuteranomaly

88.3798, 89.3341, 105.5136

Tritanomaly

87.1104, 89.9574, 107.3800

Monochromacy



Original Color

86.7643, 89.7789, 107.3638

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

86.3021, 90.1116, 101.6516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.7643, 89.7789, 107.3638 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(243, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(243, 242, 255)  
}
```

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(243, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 242, 255) }
```

Border

The CSS property to change the border of an element to XYZ 86.7643, 89.7789, 107.3638 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(243, 242, 255) }
```


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

```
.border{ border-color:rgb(243, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(243, 242,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 86.7643, 89.7789, 107.3638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 242, 255) }
```

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

```
.background{ background-color: rgb(243,  
242, 255) }
```

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