

Converting Colors

XYZ(109.1726, 100.0000,
107.4308)

Have a look what the booklet for
XYZ(109.1726, 100.0000, 107.4308)
contains.

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Color

**XYZ(89.9959, 90.1488,
106.4231)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEEFE
RGB	255, 239, 254
RGB Percent	100%, 94%, 100%
CMY	0.0000, 0.0627, 0.0039
CMYK	0.00, 0.06, 0.00, 0.00
HSL	304°, 100%, 97%
HSV	304°, 6%, 100%
XYZ	89.9959, 90.1488, 106.4231
YIQ	245.4940, 4.7210, 8.0570

Conversions

Conversions Part 2

Format	Color
R_{YB}	255, 239, 254
Decimal	16773118
CIE _{Lab}	96.06, 7.97, -5.28
CIE _{LCh}	96, 9.560, 326.487
Y _{xy}	90.1488, 0.3140, 0.3146
Android (android.graphics.Color)	4294963198 (0xFFFFE0FE)
Y _{UV}	245.4940, 4.1935, 8.3368
Hunter-Lab	94.9467, 3.0357, 0.0062

Details

The XYZ color **89.9959, 90.1488, 106.4231** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.0875, 96.1633, 96.4129**, and the grayscale version is **87.1553, 91.6942, 99.8550**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **50.3002, 49.9040, 59.8046** is the 20% darker color. If you saturate the color by 10%, you get **82.7975, 76.1578, 102.7723**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

Distribution



- Red (100%)
- Green (94%)
- Blue (100%)



- Red (100%)
- Yellow (94%)
- Blue (100%)



- Cyan (0%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 89.9959, 90.1488, 106.4231 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 89.9959, 90.1488, 106.4231 by changing the saturation by 10% instead.


 89.9959, 90.1488,
106.4231

 89.9959, 90.1488,
106.4231


516.2556,
528.5148, 602.0169

 68.3135, 68.1041,
81.0288


146.2111,
147.5451, 172.0849

 50.4274, 49.9824,
60.0342


181.4746,
183.6654, 213.1895

 35.9723, 35.3994,
43.0207

221.9958,
225.2464, 260.3680

 24.5828, 23.9707,
29.5698

268.1401,
272.6724, 314.0388

 15.8936, 15.3119,
19.2630

320.2729,
326.3278, 374.6206

 9.5393, 9.0386,
11.6818

378.7595,

 5.1545, 4.7664,

386.5971, 442.5319

6.4075

443.9653,
453.8646, 518.1911

■ 2.3739, 2.1108,
3.0216

■ 0.8321, 0.6707,
1.1057

■ 89.9959, 90.1488,
106.4231

■ 89.9959, 90.1488,
106.4231

■ 82.7975, 76.1578,
102.7723

95.0500, 100.0000,
108.9000

■ 76.6084, 64.1826,
99.4672

■ 71.3839, 54.1330,
96.4940

■ 67.0731, 45.9077,
93.8358

■ 63.6209, 39.3961,
91.4741

■ 60.9660, 34.4756,
89.3885

■ 59.0389, 31.0075,
87.5558

■ 57.7584, 28.8293,
85.9490

■ 57.0232, 27.7384,
84.5341

Harmonies

Analogous

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



87.9728, 90.1488, 111.7837



89.9959, 90.1488, 106.4231



90.8627, 90.1488, 99.0522

Triad

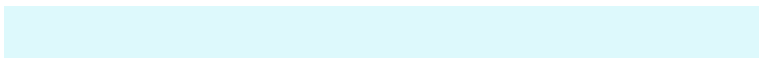
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.9959, 90.1488, 106.4231



85.9958, 90.1488, 84.3202



81.2104, 90.1488, 104.7995

Complementary

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



89.9959, 90.1488, 106.4231



87.0875, 96.1633, 96.4129

Split Complementary

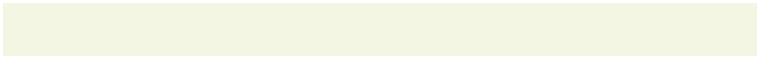
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.7054, 90.1488, 97.2667



89.9959, 90.1488, 106.4231



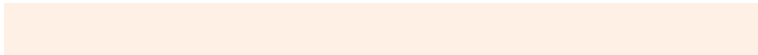
83.4347, 90.1488, 85.6848

Square

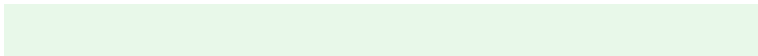
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.9959, 90.1488, 106.4231



88.5235, 90.1488, 86.5028



81.5116, 90.1488, 90.3299



82.9054, 90.1488, 110.8129

Rectangle

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



89.9959, 90.1488, 106.4231



90.6552, 90.1488, 94.0795



81.5116, 90.1488, 90.3299



80.8974, 90.1488, 102.3501

Sweetspot

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



89.9979, 90.1524, 106.4250



93.3933, 96.7686, 108.0951



84.7875, 87.4478, 107.0181



20.0074, 20.7463, 23.1453



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.



89.9979, 90.1524, 106.4250



88.6796, 87.5861, 105.7684



88.7740, 89.6628, 99.9802



18.7408, 18.2796, 22.5183



29.7170, 14.3761, 44.0218



2.9077, 1.4054, 4.3613

Inverse Universe

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



89.9979, 90.1524, 106.4250



88.6796, 87.5861, 105.7684



88.2713, 96.6368, 102.6469



18.7408, 18.2796, 22.5183



29.7170, 14.3761, 44.0218



2.9077, 1.4054, 4.3613

Previews

White Background



This preview shows how the XYZ color 89.9959, 90.1488, 106.4231 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 89.9959, 90.1488, 106.4231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

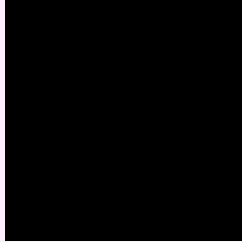
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 89.9959, 90.1488, 106.4231

Background



This preview shows how black text looks on a background with the XYZ color 89.9959, 90.1488, 106.4231.



This preview shows how white text looks on a background with the XYZ color 89.9959, 90.1488,

106.4231.

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

89.9959, 90.1488, 106.4231

Protanopia

87.1104, 89.9574, 107.3800

Deuteranopia

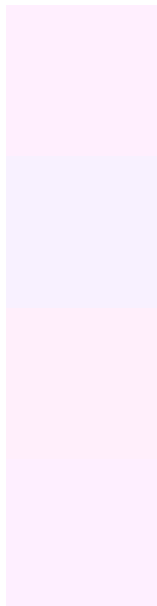
89.3618, 89.8951, 103.0841



Tritanopia

89.7896, 90.0238, 107.2517

Trichromacy



Original Color

89.9959, 90.1488, 106.4231

Protanomaly

88.2167, 90.0871, 107.3468

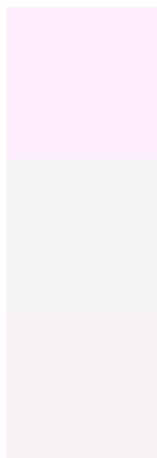
Deuteranomaly

89.5191, 89.9580, 103.9123

Tritanomaly

89.7896, 90.0238, 107.2517

Monochromacy



Original Color

89.9959, 90.1488, 106.4231

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

88.0608, 91.0182, 101.7339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 89.9959, 90.1488, 106.4231 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(255, 239, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 254)  
}
```

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(255, 239, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 254) }
```

Border

The CSS property to change the border of an element to XYZ 89.9959, 90.1488, 106.4231 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(255, 239, 254) }
```


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

```
.border{ border-color:rgb(255, 239, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 254);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 89.9959, 90.1488, 106.4231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 254) }
```

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

```
.background{ background-color: rgb(255,  
239, 254) }
```

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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