

Converting Colors

XYZ(51.8575, 26.3882, 96.9680)

Have a look what the booklet for
XYZ(51.8575, 26.3882, 96.9680)
contains.

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Color

**XYZ(51.8670, 26.4106,
96.9718)**

Conversions

Conversions Part 1

Format	Color
Hex	E633FF
RGB	230, 51, 255
RGB Percent	90%, 20%, 100%
CMY	0.0980, 0.8000, 0.0000
CMYK	0.10, 0.80, 0.00, 0.00
HSL	293°, 100%, 60%
HSV	293°, 80%, 100%
XYZ	51.8670, 26.4106, 96.9718
YIQ	127.7770, 41.2000, 101.3920

Conversions

Conversions Part 2

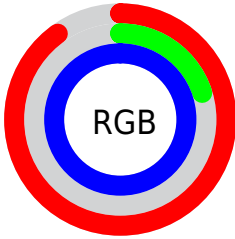
Format	Color
R _{YB}	230, 51, 255
Decimal	15086591
CIE _{Lab}	58.42, 87.79, -64.11
CIE _{LCh}	58, 108.707, 323.864
Y _{xy}	26.4106, 0.2960, 0.1507
Android (android.graphics.Color)	4293276671 (0xFFE633FF)
YUV	127.7770, 62.7209, 89.6496
Hunter-Lab	51.3912, 90.2178, -75.9023

Details

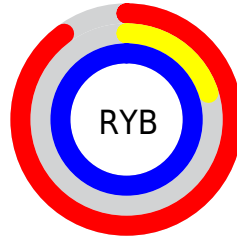
The XYZ color **51.8670, 26.4106, 96.9718** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **39.3386, 73.2958, 15.2070**, and the grayscale version is **20.2224, 21.2755, 23.1691**.

A 20% lighter version of the original color is **65.8868, 41.6737, 99.1789**, and **26.6556, 12.5773, 53.8461** is the 20% darker color. If you saturate the color by 10%, you get **50.0485, 24.2482, 96.6503**, and if you desaturate by 10%, it is **54.3154, 29.8042, 97.4978**.

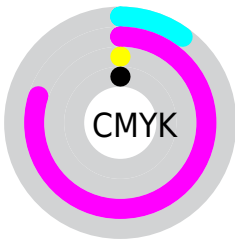
Distribution



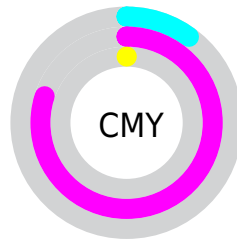
- Red (90%)
- Green (20%)
- Blue (100%)



- Red (90%)
- Yellow (20%)
- Blue (100%)



- Cyan (10%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (10%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8670, 26.4106, 96.9718 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 51.8670, 26.4106, 96.9718 by changing the saturation by 10% instead.


 51.8670, 26.4106,
96.9718

 51.8670, 26.4106,
96.9718


384.2553,
284.7919, 571.6032

 37.1229, 17.1311,
73.1713


 92.1105, 53.9366,
159.0049

 25.4768, 10.3280,
53.6233


 118.3405, 72.9519,
198.0745

 16.5633, 5.6170,
37.9095


 149.1300, 95.9812,
243.0708

 10.0170, 2.6136,
25.6112

 184.8442,
123.4089, 294.4125

 5.4726, 0.9335,
16.3098

 225.8484,
155.6194, 352.5181

 2.5647, 0.0000,
9.5869

272.5082,

 0.9280, 0.0000,

192.9972, 417.8060

5.0239

325.1887,
235.9265, 490.6949

■ 0.0000, 0.0000,
2.2023

■ 0.0000, 0.0000,
0.6757

■ 51.8670, 26.4106,
96.9718

■ 51.8670, 26.4106,
96.9718

■ 50.0485, 24.2482,
96.6503

■ 54.3154, 29.8042,
97.4978

■ 48.7140, 23.0280,
96.4851

■ 57.4779, 34.6003,
98.2568

■ 48.7136, 23.0277,
96.4850

■ 61.4291, 40.9466,
99.2736

■ 66.2329, 48.9711,
100.5693

71.9467, 58.7885,
102.1631

78.6230, 70.5034,
104.0724

86.3100, 84.2122,
106.3133

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



36.9066, 26.4106, 160.7467



51.8670, 26.4106, 96.9718



59.9842, 26.4106, 37.2976

Triad

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



51.8670, 26.4106, 96.9718



27.9303, 26.4106, 0.0000



8.2501, 26.4106, 69.6155

Complementary

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



51.8670, 26.4106, 96.9718



39.3386, 73.2958, 15.2070

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.



7.3182, 26.4106, 21.6305



51.8670, 26.4106, 96.9718



16.1291, 26.4106, 0.0922

Square

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



51.8670, 26.4106, 96.9718



43.3588, 26.4106, 0.9046



9.6186, 26.4106, 3.6037



12.8606, 26.4106, 137.3748

Rectangle

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



51.8670, 26.4106, 96.9718



58.9231, 26.4106, 14.5588



9.6186, 26.4106, 3.6037



7.5840, 26.4106, 50.0642

Sweetspot

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



51.8681, 26.4117, 96.9720



75.8318, 65.5799, 103.2692



22.1547, 13.4022, 96.0269



15.7280, 13.1553, 21.9602



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.



51.8681, 26.4117, 96.9720



49.2126, 23.4493, 96.5401



50.6831, 26.9319, 45.8155



18.5607, 18.1808, 22.7809



25.5404, 12.0770, 50.4196



2.5457, 1.2063, 4.9119

Inverse Universe

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



43.7288, 24.1502, 9.1951



41.7371, 21.6360, 4.0016



40.8789, 73.7253, 31.7486



18.0999, 18.0233, 19.1433



21.7079, 11.1724, 1.8461



2.1409, 1.0987, 0.3236

Previews

White Background



This preview shows how the XYZ color 51.8670, 26.4106, 96.9718 looks on a white background.

Color Contrast Check

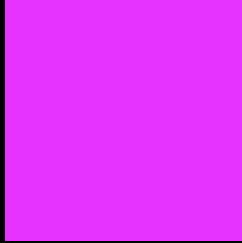
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.8670, 26.4106, 96.9718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

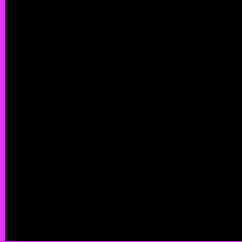
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 51.8670, 26.4106, 96.9718

Background



This preview shows how black text looks on a background with the XYZ color 51.8670, 26.4106, 96.9718.



This preview shows how white text looks on a background with the XYZ color 51.8670, 26.4106,

96.9718.

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

51.8670, 26.4106, 96.9718

Protanopia

30.3039, 26.8168, 98.1867

Deuteranopia

27.6645, 26.7869, 86.9314



Tritanopia

35.9555, 26.1322, 19.6720

Trichromacy



Original Color

51.8670, 26.4106, 96.9718



Protanomaly

33.1957, 22.6790, 97.2356



Deuteranomaly

30.4154, 21.8762, 89.8082



Tritanomaly

39.5967, 24.6665, 39.2333

Monochromacy



Original Color

51.8670, 26.4106, 96.9718



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

27.7142, 20.1697, 42.4768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8670, 26.4106, 96.9718 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(230, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 51, 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(230, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 51, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.8670, 26.4106, 96.9718 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(230, 51, 255) }
```


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

```
.border{ border-color:rgb(230, 51, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 51,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8670, 26.4106, 96.9718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 51, 255) }
```

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

```
.background{ background-color: rgb(230, 51,  
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](#).

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