

Converting Colors

XYZ(26.7870, 19.0048, 88.2357)

Have a look what the booklet for
XYZ(26.7870, 19.0048, 88.2357)
contains.

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Color

**XYZ(26.6740, 18.9180,
87.8336)**

Conversions

Conversions Part 1

Format	Color
Hex	6766F4
RGB	103, 102, 244
RGB Percent	40%, 40%, 96%
CMY	0.5961, 0.6000, 0.0431
CMYK	0.58, 0.58, 0.00, 0.04
HSL	240°, 87%, 68%
HSV	240°, 58%, 96%
XYZ	26.6740, 18.9180, 87.8336
YIQ	118.4870, -44.9860, 44.3740

Conversions

Conversions Part 2

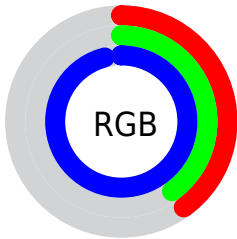
Format	Color
R _Y B	103, 102, 244
Decimal	6776564
CIE Lab	50.59, 40.32, -71.37
CIE LCh	51, 81.971, 299.468
Yxy	18.9180, 0.1999, 0.1418
Android (android.graphics.Color)	4284966644 (0xFF6766F4)
YUV	118.4870, 61.8779, -13.5821
Hunter-Lab	43.4948, 33.3524, -89.2840

Details

The XYZ color **26.6740, 18.9180, 87.8336** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **71.7095, 84.7148, 25.1427**, and the grayscale version is **17.1954, 18.0909, 19.7010**.

A 20% lighter version of the original color is **44.9583, 38.0018, 99.5733**, and **10.7125, 6.5144, 47.7065** is the 20% darker color. If you saturate the color by 10%, you get **22.2315, 13.5767, 87.0372**, and if you desaturate by 10%, it is **32.6287, 26.0861, 88.9038**.

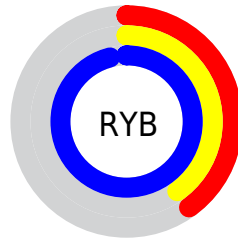
Distribution



Red (40%)

Green (40%)

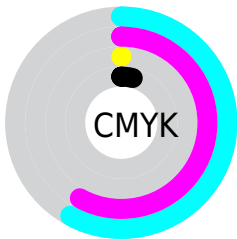
Blue (96%)



Red (40%)

Yellow (40%)

Blue (96%)

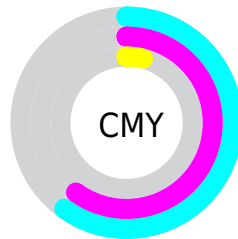


Cyan (58%)

Magenta (58%)

Yellow (0%)

Black (4%)



Cyan (60%)

Magenta (60%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.6740, 18.9180, 87.8336 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 26.6740, 18.9180, 87.8336 by changing the saturation by 10% instead.

■ 26.6740, 18.9180,
87.8336

■ 26.6740, 18.9180,
87.8336

278.2716,
245.9957, 541.3453

■ 17.4639, 11.6110,
65.6217

■ 53.7839, 41.5955,
146.2346

■ 10.6631, 6.4794,
47.5108

■ 72.4143, 57.7348,
183.2607

■ 5.9064, 3.1387,
33.0824

■ 94.9156, 77.5871,
226.0621

■ 2.8284, 1.2046,
21.9180

■ 121.6530,
101.5366, 275.0571

■ 1.0637, 0.0654,
13.5989

152.9920,
129.9678, 330.6645

■ 0.0000, 0.0000,
7.7067

189.2979,

■ 0.0000, 0.0000,

163.2652, 393.3026

3.8228

230.9359,
201.8130, 463.3900

■ 0.0000, 0.0000,
1.5286

■ 0.0000, 0.0000,
0.2391

■ 26.6740, 18.9180,
87.8336

■ 26.6740, 18.9180,
87.8336

■ 22.2315, 13.5767,
87.0372

■ 32.6287, 26.0861,
88.9038

■ 19.1626, 9.8959,
86.4885

■ 40.2120, 35.2244,
90.2680

■ 17.3087, 7.6816,
86.1588

■ 49.5324, 46.4637,
91.9461

■ 16.4533, 6.6666,
86.0080

■ 60.6881, 59.9234,
93.9562

■ 16.3509, 6.5428,
85.9895

■ 73.7699, 75.7137,
96.3145

■ 88.8628, 93.9375,
99.0366

■ 93.3292, 99.3117,
99.8385

Harmonies

Analogous

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



17.8384, 18.9180, 103.7081



26.6740, 18.9180, 87.8336



34.7819, 18.9180, 52.1241

Triad

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



26.6740, 18.9180, 87.8336



26.9974, 18.9180, 1.1758



6.5568, 18.9180, 20.1917

Complementary

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



26.6740, 18.9180, 87.8336



71.7095, 84.7148, 25.1427

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.



7.7082, 18.9180, 5.3317



26.6740, 18.9180, 87.8336



18.1244, 18.9180, 0.3676

Square

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



26.6740, 18.9180, 87.8336



35.0044, 18.9180, 5.6249



11.4174, 18.9180, 1.1161



7.6272, 18.9180, 50.8181

Rectangle

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



26.6740, 18.9180, 87.8336



37.7772, 18.9180, 29.7608



11.4174, 18.9180, 1.1161



6.6898, 18.9180, 13.5409

Sweetspot

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



26.6749, 18.9185, 87.8341



68.6451, 68.1228, 104.1388



54.1596, 74.0582, 97.0285



14.1148, 13.8835, 22.1858



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.



26.6749, 18.9185, 87.8341



23.7916, 14.0678, 96.0691



38.3144, 24.9189, 88.3788



15.5921, 15.9323, 20.7960



8.8954, 3.5601, 46.7563



0.7856, 0.3148, 4.1096

Inverse Universe

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



58.2367, 35.2068, 88.5160



61.7061, 33.6369, 96.7843



51.9829, 74.5453, 24.2195



17.2083, 16.7662, 20.8435



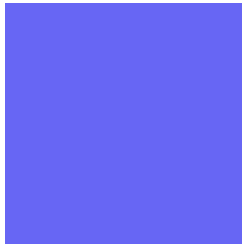
29.0253, 13.9536, 46.9692



2.5527, 1.2270, 4.1366

Previews

White Background



This preview shows how the XYZ color 26.6740, 18.9180, 87.8336 looks on a white background.

Color Contrast Check

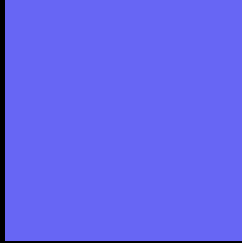
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.6740, 18.9180, 87.8336 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 26.6740, 18.9180, 87.8336

Background



This preview shows how black text looks on a background with the XYZ color 26.6740, 18.9180, 87.8336.



This preview shows how white text looks on a background with the XYZ color 26.6740, 18.9180,

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

26.6740, 18.9180, 87.8336

Deuteranopia

19.0932, 18.9700, 65.6060

Tritanopia

14.6407, 18.8508, 27.6779

Trichromacy



Original Color

26.6740, 18.9180, 87.8336



Deuteranomaly

20.3482, 18.0366, 72.9300



Tritanomaly

17.7328, 18.1838, 44.6947

Monochromacy



Original Color

26.6740, 18.9180, 87.8336



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

19.3051, 17.7794, 37.5362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.6740, 18.9180, 87.8336 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(103, 102, 244)` looks like.

```
.text, #text, p{  
    color:rgb(103, 102, 244)  
}
```

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(103, 102, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 102, 244) }
```

Border

The CSS property to change the border of an element to XYZ 26.6740, 18.9180, 87.8336 is called "border". The border property can be set on classes, ids or directly on the HTML element.

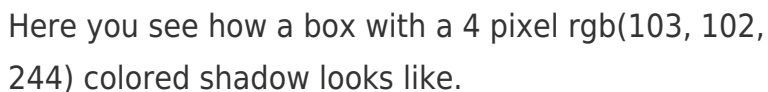
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 102, 244) }
```

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

```
.border{ border-color:rgb(103, 102, 244) }
```

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



Here you see how a box with a 4 pixel `rgb(103, 102, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 102, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 102, 244);  
box-shadow:4px 4px 4px 4px rgb(103, 102,  
244) }
```


Background

The CSS property to change the background color of an element to XYZ 26.6740, 18.9180, 87.8336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 102, 244) }
```

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

```
.background{ background-color: rgb(103,  
102, 244) }
```

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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