

Converting Colors

XYZ(26.8379, 19.4029, 86.1493)

Have a look what the booklet for
XYZ(26.8379, 19.4029, 86.1493)
contains.

XYZ(26.8030, 19.3147, 86.3198)	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(26.8030, 19.3147,
86.3198)**

Conversions

Conversions Part 1

Format	Color
Hex	6968F2
RGB	105, 104, 242
RGB Percent	41%, 41%, 95%
CMY	0.5882, 0.5922, 0.0510
CMYK	0.57, 0.57, 0.00, 0.05
HSL	240°, 84%, 68%
HSV	240°, 57%, 95%
XYZ	26.8030, 19.3147, 86.3198
YIQ	120.0310, -43.7020, 43.1300

Conversions

Conversions Part 2

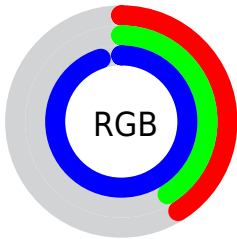
Format	Color
R _Y B	105, 104, 242
Decimal	6908146
CIE Lab	51.05, 38.86, -69.49
CIE LCh	51, 79.621, 299.213
Yxy	19.3147, 0.2024, 0.1458
Android (android.graphics.Color)	4285098226 (0xFF6968F2)
YUV	120.0310, 60.1307, -13.1822
Hunter-Lab	43.9485, 31.9525, -85.6883

Details

The XYZ color **26.8030, 19.3147, 86.3198** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **70.5248, 83.2039, 25.4398**, and the grayscale version is **17.6874, 18.6085, 20.2646**.

A 20% lighter version of the original color is **45.4972, 38.7697, 99.6931**, and **10.7555, 6.7051, 46.6263** is the 20% darker color. If you saturate the color by 10%, you get **22.2730, 13.8676, 85.5076**, and if you desaturate by 10%, it is **32.8303, 26.5711, 87.4032**.

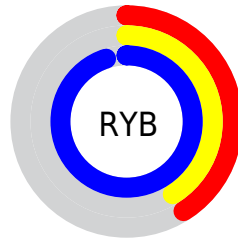
Distribution



Red (41%)

Green (41%)

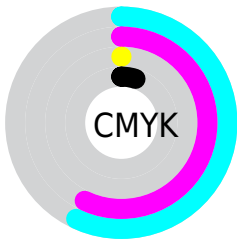
Blue (95%)



Red (41%)

Yellow (41%)

Blue (95%)

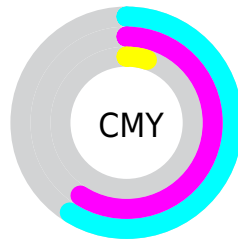


Cyan (57%)

Magenta (57%)

Yellow (0%)

Black (5%)



Cyan (59%)

Magenta (59%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.8030, 19.3147, 86.3198 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 26.8030, 19.3147, 86.3198 by changing the saturation by 10% instead.

■ 26.8030, 19.3147,
86.3198

■ 26.8030, 19.3147,
86.3198

278.8870,
248.1806, 536.2432

■ 17.5611, 11.8979,
64.3760

■ 53.9897, 42.2652,
144.1062

■ 10.7332, 6.6742,
46.5072

■ 72.6653, 58.5677,
180.7859

■ 5.9537, 3.2592,
32.2947

■ 95.2161, 78.6008,
223.2146

■ 2.8573, 1.2685,
21.3200

■ 122.0076,
102.7491, 271.8110

■ 1.0788, 0.1166,
13.1646

153.4051,
131.3968, 326.9935

■ 0.0072, 0.0000,
7.4099

189.7739,

■ 0.0000, 0.0000,

164.9283, 389.1806

3.6375

231.4794,
203.7281, 458.7910

■ 0.0000, 0.0000,
1.4286

■ 0.0000, 0.0000,
0.1639

■ 26.8030, 19.3147,
86.3198

■ 26.8030, 19.3147,
86.3198

■ 22.2730, 13.8676,
85.5076

■ 32.8303, 26.5711,
87.4032

■ 19.1070, 10.0693,
84.9413

■ 40.4675, 35.7752,
88.7773

■ 17.1527, 7.7341,
84.5936

■ 49.8196, 47.0539,
90.4614

■ 16.2168, 6.6247,
84.4288

■ 60.9820, 60.5229,
92.4728

■ 16.0492, 6.4222,
84.3985

■ 74.0429, 76.2894,
94.8277

■ 89.0848, 94.4536,
97.5409

■ 93.0271, 99.1908,
98.2475

Harmonies

Analogous

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



18.1504, 19.3147, 101.2648



26.8030, 19.3147, 86.3198



34.7198, 19.3147, 52.0321

Triad

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



26.8030, 19.3147, 86.3198



27.2702, 19.3147, 1.4320



6.9827, 19.3147, 20.4392

Complementary

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



26.8030, 19.3147, 86.3198



70.5248, 83.2039, 25.4398

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.



8.1655, 19.3147, 5.7088



26.8030, 19.3147, 86.3198



18.5672, 19.3147, 0.5880

Square

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



26.8030, 19.3147, 86.3198



35.0395, 19.3147, 6.1532



11.9042, 19.3147, 1.3348



8.0446, 19.3147, 50.1639

Rectangle

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



26.8030, 19.3147, 86.3198



37.6588, 19.3147, 30.2560



11.9042, 19.3147, 1.3348



7.1236, 19.3147, 13.9013

Sweetspot

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



26.8039, 19.3153, 86.3203



68.6476, 68.1242, 104.1389



53.4884, 72.8585, 95.2488



14.1154, 13.8838, 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.



26.8039, 19.3153, 86.3203



24.5925, 15.0272, 96.2121



38.2112, 25.1959, 86.8542



14.9079, 15.2343, 19.8764



8.6266, 3.4526, 45.3396



0.7214, 0.2891, 3.7720

Inverse Universe

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



57.4449, 35.1287, 86.9678



62.0744, 34.3733, 96.9076



51.4847, 73.3884, 24.5487



16.4490, 16.0293, 19.9209



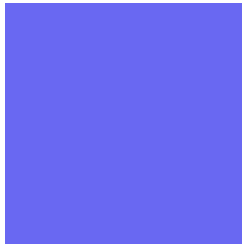
28.1421, 13.5292, 45.5261



2.3428, 1.1261, 3.7958

Previews

White Background



This preview shows how the XYZ color 26.8030, 19.3147, 86.3198 looks on a white background.

Color Contrast Check

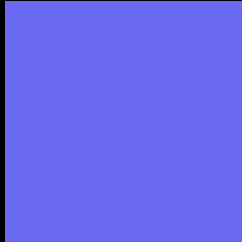
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.8030, 19.3147, 86.3198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

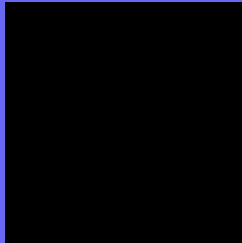
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 26.8030, 19.3147, 86.3198

Background



This preview shows how black text looks on a background with the XYZ color 26.8030, 19.3147, 86.3198.



This preview shows how white text looks on a background with the XYZ color 26.8030, 19.3147,

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

26.8030, 19.3147, 86.3198

Protanopia

23.3046, 19.4999, 91.3425

Deuteranopia

19.4734, 19.3216, 66.9931



Tritanopia

15.1708, 19.3139, 28.1277

Trichromacy



Original Color

26.8030, 19.3147, 86.3198



Protanomaly

23.2281, 18.6542, 89.5652



Deuteranomaly

20.7512, 18.5709, 73.7250



Tritanomaly

18.1815, 18.5946, 44.7503

Monochromacy



Original Color

26.8030, 19.3147, 86.3198



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

19.7884, 18.3598, 37.6228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.8030, 19.3147, 86.3198 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(105, 104, 242)` looks like.

```
.text, #text, p{  
    color:rgb(105, 104, 242)  
}
```

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(105, 104, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 104, 242) }
```

Border

The CSS property to change the border of an element to XYZ 26.8030, 19.3147, 86.3198 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(105, 104, 242) }
```


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

```
.border{ border-color:rgb(105, 104, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 104, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 104, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 104, 242);  
box-shadow:4px 4px 4px 4px rgb(105, 104,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 26.8030, 19.3147, 86.3198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 104, 242) }
```

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

```
.background{ background-color: rgb(105,  
104, 242) }
```

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