

Converting Colors

XYZ(27.8493, 19.1800, 96.8420)

Have a look what the booklet for
XYZ(27.8493, 19.1800, 96.8420)
contains.

XYZ(27.8493, 19.1800, 96.8420)	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(27.8493, 19.1800,
96.8420)**

Conversions

Conversions Part 1

Format	Color
Hex	6365FF
RGB	99, 101, 255
RGB Percent	39%, 40%, 100%
CMY	0.6117, 0.6039, 0.0000
CMYK	0.61, 0.60, 0.00, 0.00
HSL	239°, 100%, 69%
HSV	239°, 61%, 100%
XYZ	27.8493, 19.1800, 96.8420
YIQ	117.9580, -50.6260, 47.4700

Conversions

Conversions Part 2

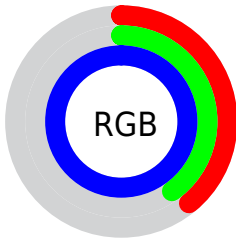
Format	Color
R _Y B	99, 101, 255
Decimal	6514175
CIE Lab	50.90, 43.74, -77.00
CIE LCh	51, 88.557, 299.602
Yxy	19.1800, 0.1936, 0.1333
Android (android.graphics.Color)	4284704255 (0xFF6365FF)
YUV	117.9580, 67.5617, -16.6262
Hunter-Lab	43.7950, 36.8672, -100.4490

Details

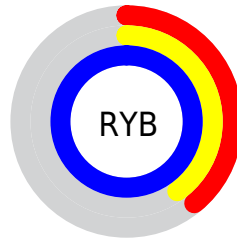
The XYZ color **27.8493, 19.1800, 96.8420** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **78.6207, 92.4173, 25.5012**, and the grayscale version is **17.0146, 17.9007, 19.4938**.

A 20% lighter version of the original color is **44.3825, 37.4630, 99.4996**, and **11.3972, 6.6696, 53.5100** is the 20% darker color. If you saturate the color by 10%, you get **23.4088, 13.8013, 96.0379**, and if you desaturate by 10%, it is **33.9191, 26.5094, 97.9368**.

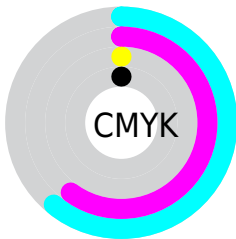
Distribution



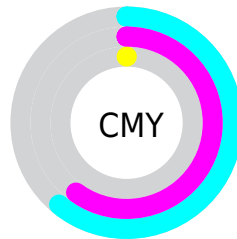
- Red (39%)
- Green (40%)
- Blue (100%)



- Red (39%)
- Yellow (40%)
- Blue (100%)



- Cyan (61%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)



- Cyan (61%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8493, 19.1800, 96.8420 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 27.8493, 19.1800, 96.8420 by changing the saturation by 10% instead.

■ 27.8493, 19.1800,
96.8420

■ 27.8493, 19.1800,
96.8420

283.8393,
247.4407, 571.1796

■ 18.3520, 11.8004,
73.0637

■ 55.6541, 42.0380,
158.8244

■ 11.3042, 6.6079,
53.5359

■ 74.6922, 58.2853,
197.8655

■ 6.3406, 3.2181,
37.8401

■ 97.6414, 78.2572,
242.8313

■ 3.0959, 1.2466,
25.5577

■ 124.8669,
102.3382, 294.1403

■ 1.2047, 0.0993,
16.2703

156.7340,
130.9126, 352.2111

■ 0.1101, 0.0000,
9.5592

193.6082,

■ 0.0000, 0.0000,

164.3649, 417.4623

5.0059

235.8549,
203.0795, 490.3122

■ 0.0000, 0.0000,
2.1919

■ 0.0000, 0.0000,
0.6697

■ 27.8493, 19.1800,
96.8420

■ 27.8493, 19.1800,
96.8420

■ 23.4088, 13.8013,
96.0379

■ 33.9191, 26.5094,
97.9368

■ 20.4380, 10.1858,
95.4966

■ 41.7521, 35.9506,
99.3463

■ 18.7501, 8.1122,
95.1853

■ 51.4718, 47.6493,
101.0921

■ 18.0853, 7.2907,
95.0618

■ 63.1895, 61.7382,
103.1940

■ 77.0081, 78.3396,
105.6700

■ 93.0233, 97.5674,
108.5373

■ 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.



18.1137, 19.1800, 115.3683



27.8493, 19.1800, 96.8420



36.8938, 19.1800, 55.9045

Triad

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



27.8493, 19.1800, 96.8420



28.1180, 19.1800, 0.7949



6.0643, 19.1800, 20.5517

Complementary

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



27.8493, 19.1800, 96.8420



78.6207, 92.4173, 25.5012

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.



7.2415, 19.1800, 4.7753



27.8493, 19.1800, 96.8420



18.3468, 19.1800, 0.0000

Square

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



27.8493, 19.1800, 96.8420



37.0806, 19.1800, 4.9948



11.1282, 19.1800, 0.7520



7.1787, 19.1800, 54.7970

Rectangle

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



27.8493, 19.1800, 96.8420



40.2432, 19.1800, 30.8239



11.1282, 19.1800, 0.7520



6.1975, 19.1800, 13.3496

Sweetspot

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



27.8502, 19.1805, 96.8421



67.3419, 66.7281, 103.9383



58.5407, 81.2268, 105.0212



13.5971, 13.3010, 22.1007



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.



27.8502, 19.1805, 96.8421



22.7612, 13.0150, 95.9202



40.0585, 25.1906, 97.3587



17.0216, 17.4149, 22.7142



9.4580, 3.8256, 49.6745



0.9271, 0.3850, 4.8387

Inverse Universe

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



48.0516, 31.1249, 15.7870



44.5035, 25.9557, 8.6637



56.7429, 82.0769, 24.6584



18.0188, 17.9908, 18.7162



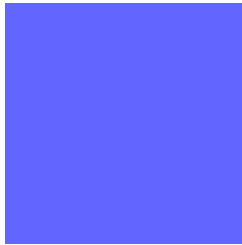
21.5622, 11.1142, 1.0789



2.1026, 1.0834, 0.1217

Previews

White Background



This preview shows how the XYZ color 27.8493, 19.1800, 96.8420 looks on a white background.

Color Contrast Check

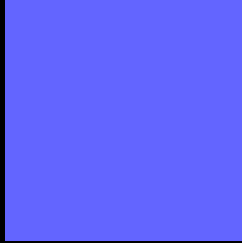
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8493, 19.1800, 96.8420 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 27.8493, 19.1800, 96.8420

Background



This preview shows how black text looks on a background with the XYZ color 27.8493, 19.1800, 96.8420.



This preview shows how white text looks on a background with the XYZ color 27.8493, 19.1800,

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

27.8493, 19.1800, 96.8420

Protanopia

22.8799, 19.1446, 89.6782

Deuteranopia

19.0932, 18.9700, 65.6060



Tritanopia

14.2055, 18.9993, 28.9051

Trichromacy



Original Color

27.8493, 19.1800, 96.8420

Protanomaly

23.5109, 18.5835, 91.9703

Deuteranomaly

20.8619, 18.2380, 75.8195

Tritanomaly

17.5390, 18.1922, 47.9344

Monochromacy



Original Color

27.8493, 19.1800, 96.8420

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

19.4176, 17.7950, 39.4571

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8493, 19.1800, 96.8420 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(99, 101, 255)` looks like.

```
.text, #text, p{  
    color:rgb(99, 101, 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(99, 101, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 101, 255) }
```

Border

The CSS property to change the border of an element to XYZ 27.8493, 19.1800, 96.8420 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(99, 101, 255) }
```


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

```
.border{ border-color:rgb(99, 101, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 101, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 101, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 101, 255);  
box-shadow:4px 4px 4px 4px rgb(99, 101,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8493, 19.1800, 96.8420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 101, 255) }
```

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

```
.background{ background-color: rgb(99, 101,  
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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