

Converting Colors

XYZ(27.7604, 19.3984, 80.9902)

Have a look what the booklet for
XYZ(27.7604, 19.3984, 80.9902)
contains.

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Color

**XYZ(27.7209, 19.3235,
80.8660)**

Conversions

Conversions Part 1

Format	Color
Hex	7B64EB
RGB	123, 100, 235
RGB Percent	48%, 39%, 92%
CMY	0.5176, 0.6078, 0.0784
CMYK	0.48, 0.57, 0.00, 0.08
HSL	250°, 77%, 66%
HSV	250°, 57%, 92%
XYZ	27.7209, 19.3235, 80.8660
YIQ	122.2670, -29.6270, 46.8610

Conversions

Conversions Part 2

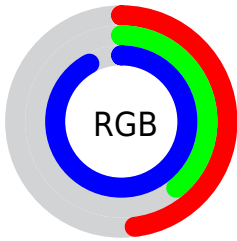
Format	Color
R _Y B	123, 100, 235
Decimal	8086763
CIE Lab	51.06, 42.52, -65.49
CIE LCh	51, 78.083, 302.991
Yxy	19.3235, 0.2167, 0.1511
Android (android.graphics.Color)	4286276843 (0xFF7B64EB)
YUV	122.2670, 55.5774, 0.6428
Hunter-Lab	43.9585, 35.6374, -78.2988

Details

The XYZ color **27.7209, 19.3235, 80.8660** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **59.1595, 74.3338, 23.2868**, and the grayscale version is **18.4177, 19.3768, 21.1014**.

A 20% lighter version of the original color is **48.5696, 39.6216, 99.6956**, and **11.1883, 6.6624, 42.8158** is the 20% darker color. If you saturate the color by 10%, you get **23.2666, 14.1502, 80.1026**, and if you desaturate by 10%, it is **33.3822, 26.0840, 81.8730**.

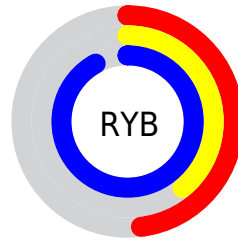
Distribution



Red (48%)

Green (39%)

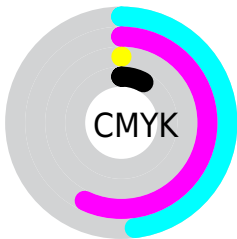
Blue (92%)



Red (48%)

Yellow (39%)

Blue (92%)

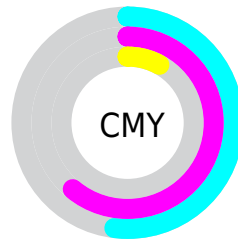


Cyan (48%)

Magenta (57%)

Yellow (0%)

Black (8%)



Cyan (52%)

Magenta (61%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7209, 19.3235, 80.8660 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 27.7209, 19.3235, 80.8660 by changing the saturation by 10% instead.

■ 27.7209, 19.3235,
80.8660

■ 27.7209, 19.3235,
80.8660

283.2352,
248.2289, 517.6301

■ 18.2548, 11.9043,
59.9009

■ 55.4503, 42.2800,
136.4050

■ 11.2338, 6.6785,
42.9140

■ 74.4443, 58.5861,
171.8159

■ 6.2928, 3.2619,
29.4867

■ 97.3449, 78.6233,
212.8792

■ 3.0663, 1.2699,
19.2006

■ 124.5175,
102.7759, 260.0134

■ 1.1889, 0.1177,
11.6370

156.3275,
131.4284, 313.6371

■ 0.0976, 0.0000,
6.3775

193.1402,

■ 0.0000, 0.0000,

164.9651, 374.1687

3.0035

235.3210,
203.7705, 442.0269

■ 0.0000, 0.0000,
1.0964

■ 0.0000, 0.0000,
0.0000

■ 27.7209, 19.3235,
80.8660

■ 27.7209, 19.3235,
80.8660

■ 23.2666, 14.1502,
80.1026

■ 33.3822, 26.0840,
81.8730

■ 19.9259, 10.4299,
79.5606

■ 40.3289, 34.5471,
83.1404

■ 17.5954, 8.0091,
79.2162

■ 48.6360, 44.8194,
84.6853

■ 16.1437, 6.6868,
79.0375

■ 58.3717, 56.9983,
86.5229

■ 15.8722, 6.4502,
79.0061

■ 69.5996, 71.1742,
88.6674

■ 82.3795, 87.4315,
91.1318

■ 91.9955, 98.7782,
92.8151

Harmonies

Analogous

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



19.1540, 19.3235, 98.7664



27.7209, 19.3235, 80.8660



35.0737, 19.3235, 46.9408

Triad

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



27.7209, 19.3235, 80.8660



25.9885, 19.3235, 1.3300



7.1521, 19.3235, 23.3433

Complementary

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



27.7209, 19.3235, 80.8660



59.1595, 74.3338, 23.2868

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.



8.0414, 19.3235, 7.0122



27.7209, 19.3235, 80.8660



17.6008, 19.3235, 0.7036

Square

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



27.7209, 19.3235, 80.8660



33.8920, 19.3235, 5.3187



11.3958, 19.3235, 1.7150



8.4976, 19.3235, 53.8298

Rectangle

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



27.7209, 19.3235, 80.8660



37.4530, 19.3235, 26.6819



11.3958, 19.3235, 1.7150



7.2007, 19.3235, 16.2554

Sweetspot

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



27.7218, 19.3241, 80.8665



70.7305, 69.1979, 104.2364



43.9200, 56.0453, 87.1007



14.5998, 14.1335, 22.2085



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.



27.7218, 19.3241, 80.8665



27.1600, 16.0723, 96.2785



40.7882, 26.0601, 81.4780



14.4704, 14.6723, 18.9916



8.9062, 3.6272, 43.9737



0.7695, 0.3210, 3.4563

Inverse Universe

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



50.7018, 31.5302, 65.6994



57.6328, 32.2965, 74.4442



43.6861, 66.3570, 22.5627



15.5982, 15.2671, 18.4354



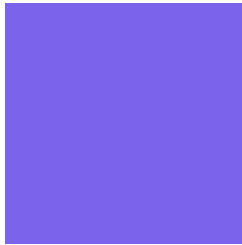
24.5890, 12.0383, 29.9664



1.9599, 0.9569, 2.5064

Previews

White Background



This preview shows how the XYZ color 27.7209, 19.3235, 80.8660 looks on a white background.

Color Contrast Check

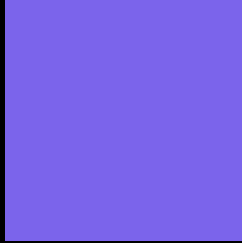
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7209, 19.3235, 80.8660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

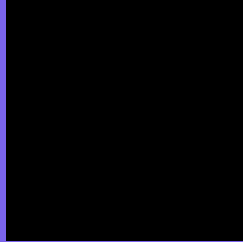
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.7209, 19.3235, 80.8660

Background



This preview shows how black text looks on a background with the XYZ color 27.7209, 19.3235, 80.8660.



This preview shows how white text looks on a background with the XYZ color 27.7209, 19.3235,

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

27.7209, 19.3235, 80.8660

Protanopia

23.4602, 19.5621, 92.1619

Deuteranopia

19.7320, 19.4251, 68.3551



Tritanopia

16.6241, 19.1322, 26.1092

Trichromacy



Original Color

27.7209, 19.3235, 80.8660



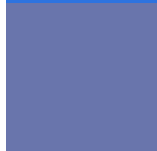
Protanomaly

23.0958, 18.4584, 87.9335



Deuteranomaly

20.6675, 18.2012, 72.9449



Tritanomaly

19.6334, 18.7044, 41.6052

Monochromacy



Original Color

27.7209, 19.3235, 80.8660



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

20.6542, 18.8165, 37.1937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7209, 19.3235, 80.8660 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(123, 100, 235)` looks like.

```
.text, #text, p{  
    color:rgb(123, 100, 235)  
}
```

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(123, 100, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 100, 235) }
```

Border

The CSS property to change the border of an element to XYZ 27.7209, 19.3235, 80.8660 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(123, 100, 235) }
```


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

```
.border{ border-color:rgb(123, 100, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 100, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 100, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 100, 235);  
box-shadow:4px 4px 4px 4px rgb(123, 100,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7209, 19.3235, 80.8660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 100, 235) }
```

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

```
.background{ background-color: rgb(123,  
100, 235) }
```

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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