

Converting Colors

XYZ(27.1795, 25.9610, 83.7459)

Have a look what the booklet for
XYZ(27.1795, 25.9610, 83.7459)
contains.

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Color

**XYZ(27.1912, 25.9574,
83.6979)**

Conversions

Conversions Part 1

Format	Color
Hex	488BED
RGB	72, 139, 237
RGB Percent	28%, 55%, 93%
CMY	0.7176, 0.4549, 0.0706
CMYK	0.70, 0.41, 0.00, 0.07
HSL	216°, 82%, 61%
HSV	216°, 70%, 93%
XYZ	27.1912, 25.9574, 83.6979
YIQ	130.1390, -71.3900, 16.2740

Conversions

Conversions Part 2

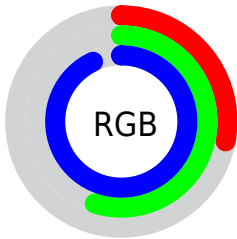
Format	Color
RYB	72, 120, 237
Decimal	4754413
CIELab	58.00, 10.51, -55.63
CIElCh	58, 56.613, 280.696
Yxy	25.9574, 0.1987, 0.1897
Android (android.graphics.Color)	4282944493 (0xFF488BED)
YUV	130.1390, 52.6825, -50.9879
Hunter-Lab	50.9484, 6.1059, -61.7376

Details

The XYZ color **27.1912, 25.9574, 83.6979** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **50.4720, 47.2260, 12.5881**, and the grayscale version is **21.1063, 22.2055, 24.1818**.

A 20% lighter version of the original color is **47.2162, 50.2376, 101.8160**, and **11.8944, 10.6076, 44.6006** is the 20% darker color. If you saturate the color by 10%, you get **23.8438, 21.3984, 82.9949**, and if you desaturate by 10%, it is **31.4838, 31.3938, 84.5216**.

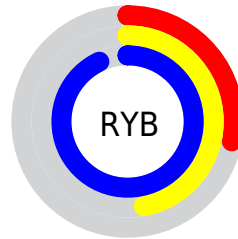
Distribution



Red (28%)

Green (55%)

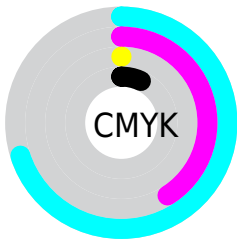
Blue (93%)



Red (28%)

Yellow (47%)

Blue (93%)

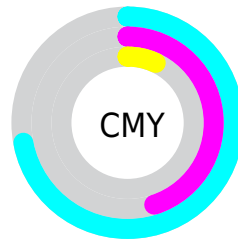


Cyan (70%)

Magenta (41%)

Yellow (0%)

Black (7%)



Cyan (72%)

Magenta (45%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1912, 25.9574, 83.6979 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 27.1912, 25.9574, 83.6979 by changing the saturation by 10% instead.

■ 27.1912, 25.9574,
83.6979

■ 27.1912, 25.9574,
83.6979

280.7324,
282.5729, 527.3413

■ 17.8542, 16.7918,
62.2221

■ 54.6083, 53.2062,
140.4105

■ 10.9444, 10.0861,
44.7752

■ 73.4190, 72.0582,
176.4843

■ 6.0965, 5.4561,
30.9388

■ 96.1184, 94.9077,
218.2612

■ 2.9451, 2.5173,
20.2942

■ 123.0718,
122.1393, 266.1598

■ 1.1248, 0.8853,
12.4228

154.6445,
154.1371, 320.5986

■ 0.0457, 0.0000,
6.9063

191.2020,

■ 0.0000, 0.0000,

191.2858, 381.9960

3.3260

233.1095,
233.9696, 450.7708

■ 0.0000, 0.0000,
1.2634

■ 0.0000, 0.0000,
0.0315

■ 27.1912, 25.9574,
83.6979

■ 27.1912, 25.9574,
83.6979

■ 23.8438, 21.3984,
82.9949

■ 31.4838, 31.3938,
84.5216

■ 21.3453, 17.6517,
82.4034

■ 36.7977, 37.7601,
85.4703

■ 19.5510, 14.6272,
81.9142

■ 43.2044, 45.1066,
86.5507

■ 19.4899, 14.5220,
81.8971

■ 50.7673, 53.4787,
87.7680

■ 59.5449, 62.9188,
89.1275

■ 69.5914, 73.4664,
90.6339

■ 80.9576, 85.1588,
92.2917

■ 91.2170, 96.7562,
93.9895

■ 92.2862, 98.8945,
94.3459

Harmonies

Analogous

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



20.5786, 25.9574, 80.7197



27.1912, 25.9574, 83.6979



34.2676, 25.9574, 67.4632

Triad

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



27.1912, 25.9574, 83.6979



36.0329, 25.9574, 10.1440



14.2339, 25.9574, 17.5605

Complementary

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



27.1912, 25.9574, 83.6979



50.4720, 47.2260, 12.5881

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.



17.0587, 25.9574, 8.2579



27.1912, 25.9574, 83.6979



29.2746, 25.9574, 5.5490

Square

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



27.1912, 25.9574, 83.6979



39.9634, 25.9574, 21.8395



22.3129, 25.9574, 5.0697



13.8831, 25.9574, 35.8371

Rectangle

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



27.1912, 25.9574, 83.6979



37.9928, 25.9574, 50.9676



22.3129, 25.9574, 5.0697



14.8972, 25.9574, 13.5580

Sweetspot

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



27.1923, 25.9582, 83.6986



68.6978, 72.5784, 104.9960



40.0494, 64.7836, 47.5641



14.0705, 14.8570, 22.3760



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.



27.1923, 25.9582, 83.6986



26.6458, 23.0660, 97.6555



21.4199, 12.7177, 81.4471



14.7333, 15.5531, 19.1478



10.7619, 8.1708, 44.7529



0.9373, 0.8262, 3.5449

Inverse Universe

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



41.9037, 24.5049, 26.9479



45.9073, 24.3846, 22.6302



61.9635, 76.7648, 17.6840



15.3190, 15.1554, 16.9649



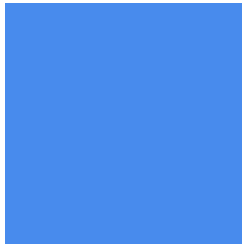
20.2874, 10.3177, 7.3148



1.6396, 0.8288, 0.8197

Previews

White Background



This preview shows how the XYZ color 27.1912, 25.9574, 83.6979 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 27.1912, 25.9574, 83.6979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

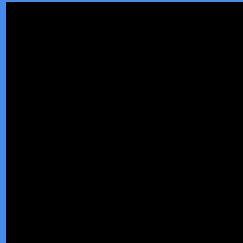
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

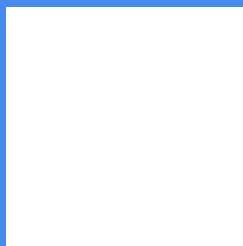
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.1912, 25.9574, 83.6979

Background



This preview shows how black text looks on a background with the XYZ color 27.1912, 25.9574, 83.6979.



This preview shows how white text looks on a background with the XYZ color 27.1912, 25.9574,

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

27.1912, 25.9574, 83.6979

Protanopia

28.3017, 25.7525, 80.5699

Deuteranopia

26.8441, 25.9944, 83.7233



Tritanopia

18.4385, 25.8644, 40.0969

Trichromacy



Original Color

27.1912, 25.9574, 83.6979

Protanomaly

27.6799, 25.6235, 81.3288

Deuteranomaly

27.0480, 26.0995, 83.7329

Tritanomaly

20.6879, 25.5203, 53.7047

Monochromacy



Original Color

27.1912, 25.9574, 83.6979

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.8556, 22.8908, 40.8026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1912, 25.9574, 83.6979 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(72, 139, 237)` looks like.

```
.text, #text, p{  
    color:rgb(72, 139, 237)  
}
```

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(72, 139, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 139, 237) }
```

Border

The CSS property to change the border of an element to XYZ 27.1912, 25.9574, 83.6979 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(72, 139, 237) }
```


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

```
.border{ border-color:rgb(72, 139, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 139, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(72, 139, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(72, 139, 237); box-shadow:4px 4px 4px 4px rgb(72, 139, 237) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1912, 25.9574, 83.6979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 139, 237) }
```

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

```
.background{ background-color: rgb(72, 139,  
237) }
```

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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