

Converting Colors

XYZ(24.7648, 22.5723, 80.3311)

Have a look what the booklet for
XYZ(24.7648, 22.5723, 80.3311)
contains.

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Color

**XYZ(24.6739, 22.4798,
80.1294)**

Conversions

Conversions Part 1

Format	Color
Hex	4280E9
RGB	66, 128, 233
RGB Percent	26%, 50%, 91%
CMY	0.7411, 0.4980, 0.0863
CMYK	0.72, 0.45, 0.00, 0.09
HSL	218°, 79%, 59%
HSV	218°, 72%, 91%
XYZ	24.6739, 22.4798, 80.1294
YIQ	121.4320, -70.6570, 19.5110

Conversions

Conversions Part 2

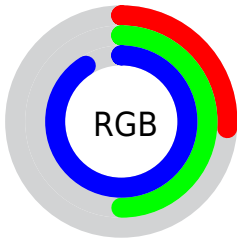
Format	Color
R _Y B	66, 111, 233
Decimal	4358377
CIE Lab	54.53, 14.94, -58.96
CIE LCh	55, 60.824, 284.220
Yxy	22.4798, 0.1939, 0.1766
Android (android.graphics.Color)	4282548457 (0xFF4280E9)
YUV	121.4320, 55.0030, -48.6139
Hunter-Lab	47.4129, 9.9198, -67.0132

Details

The XYZ color **24.6739, 22.4798, 80.1294** 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 **49.1531, 46.8470, 11.6076**, and the grayscale version is **18.1588, 19.1045, 20.8048**.

A 20% lighter version of the original color is **44.0441, 44.8491, 100.9431**, and **10.8045, 8.9116, 42.7456** is the 20% darker color. If you saturate the color by 10%, you get **21.6366, 18.2792, 79.4792**, and if you desaturate by 10%, it is **28.6280, 27.5630, 80.9027**.

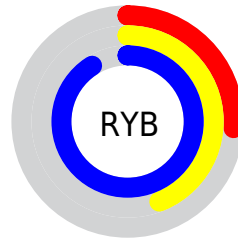
Distribution



Red (26%)

Green (50%)

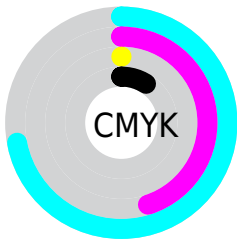
Blue (91%)



Red (26%)

Yellow (44%)

Blue (91%)

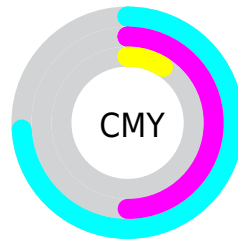


Cyan (72%)

Magenta (45%)

Yellow (0%)

Black (9%)



Cyan (74%)

Magenta (50%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6739, 22.4798, 80.1294 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 24.6739, 22.4798, 80.1294 by changing the saturation by 10% instead.

■ 24.6739, 22.4798,
80.1294

■ 24.6739, 22.4798,
80.1294

268.5877,
265.0418, 515.0871

■ 15.9617, 14.2099,
59.2980

■ 50.5744, 47.5377,
135.3607

■ 9.5877, 8.2668,
42.4315

■ 68.4934, 65.0945,
170.5977

■ 5.1866, 4.2661,
29.1112

■ 90.2121, 86.5157,
211.4737

■ 2.3931, 1.8235,
18.9187

■ 116.0958,
112.1857, 258.4072

■ 0.8417, 0.5018,
11.4353

146.5098,
142.4890, 311.8167

■ 0.0000, 0.0000,
6.2426

181.8196,

■ 0.0000, 0.0000,

177.8098, 372.1209

2.9220

222.3904,
218.5326, 439.7381

■ 0.0000, 0.0000,
1.0549

■ 0.0000, 0.0000,
0.0000

■ 24.6739, 22.4798,
80.1294

■ 24.6739, 22.4798,
80.1294

■ 21.6366, 18.2792,
79.4792

■ 28.6280, 27.5630,
80.9027

■ 19.4182, 14.8928,
78.9425

■ 33.5763, 33.5845,
81.8041

■ 18.0755, 12.6181,
78.5742

■ 39.5905, 40.5971,
82.8407

■ 46.7343, 48.6483,
84.0182

■ 55.0663, 57.7824,
85.3422

■ 64.6407, 68.0408,
86.8176

■ 75.5082, 79.4626,
88.4494

■ 87.7167, 92.0849,
90.2423

■ 91.7081, 98.6632,
91.3017

Harmonies

Analogous

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



18.0652, 22.4798, 79.5601



24.6739, 22.4798, 80.1294



31.6160, 22.4798, 61.3601

Triad

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



24.6739, 22.4798, 80.1294



31.9377, 22.4798, 6.7585



11.2491, 22.4798, 15.7858

Complementary

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



24.6739, 22.4798, 80.1294



49.1531, 46.8470, 11.6076

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.



13.6125, 22.4798, 6.4631



24.6739, 22.4798, 80.1294



25.0470, 22.4798, 3.4156

Square

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



24.6739, 22.4798, 80.1294



36.3642, 22.4798, 16.5179



18.3685, 22.4798, 3.3464



11.1902, 22.4798, 34.6524

Rectangle

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



24.6739, 22.4798, 80.1294



35.1194, 22.4798, 44.1766



18.3685, 22.4798, 3.3464



11.7741, 22.4798, 11.7261

Sweetspot

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



24.6749, 22.4805, 80.1300



67.0979, 70.3909, 104.6581



38.5469, 62.3010, 47.5238



13.7374, 14.3874, 22.3030



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.



24.6749, 22.4805, 80.1300



25.1411, 20.3377, 97.2082



20.4481, 11.7354, 78.2788



14.6892, 15.4649, 19.1331



10.3653, 7.3775, 44.6207



0.9034, 0.7582, 3.5336

Inverse Universe

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



39.4497, 22.7800, 22.7402



45.0791, 23.7906, 19.0793



57.7140, 72.8955, 16.1843



15.2967, 15.1465, 16.8476



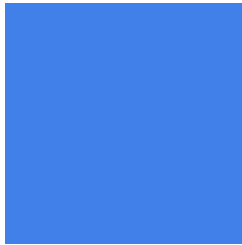
20.0872, 10.2376, 6.2606



1.6225, 0.8220, 0.7293

Previews

White Background



This preview shows how the XYZ color 24.6739, 22.4798, 80.1294 looks on a white background.

Color Contrast Check

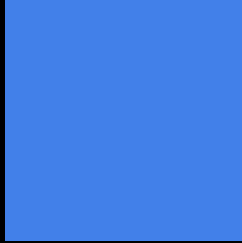
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6739, 22.4798, 80.1294 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

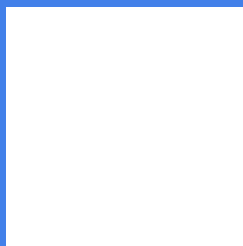
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.6739, 22.4798, 80.1294

Background



This preview shows how black text looks on a background with the XYZ color 24.6739, 22.4798, 80.1294.



This preview shows how white text looks on a background with the XYZ color 24.6739, 22.4798,

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

24.6739, 22.4798, 80.1294

Protanopia

25.1929, 22.3967, 78.5965

Deuteranopia

23.2687, 22.5617, 79.4724



Tritanopia

15.8897, 22.3131, 34.4797

Trichromacy



Original Color

24.6739, 22.4798, 80.1294

Protanomaly

25.0565, 22.5008, 79.3664

Deuteranomaly

23.5962, 22.5302, 79.4490

Tritanomaly

18.0124, 21.7900, 48.0563

Monochromacy



Original Color

24.6739, 22.4798, 80.1294

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.0961, 19.7906, 36.9959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6739, 22.4798, 80.1294 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(66, 128, 233)` looks like.

```
.text, #text, p{  
    color:rgb(66, 128, 233)  
}
```

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(66, 128, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 128, 233) }
```

Border

The CSS property to change the border of an element to XYZ 24.6739, 22.4798, 80.1294 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(66, 128, 233) }
```


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

```
.border{ border-color:rgb(66, 128, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 128, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 128, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 128, 233);  
box-shadow:4px 4px 4px 4px rgb(66, 128,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6739, 22.4798, 80.1294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 128, 233) }
```

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

```
.background{ background-color: rgb(66, 128,  
233) }
```

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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