

Converting Colors

XYZ(29.1516, 24.2314, 89.7851)

Have a look what the booklet for
XYZ(29.1516, 24.2314, 89.7851)
contains.

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Color

**XYZ(29.0879, 24.1669,
89.5178)**

Conversions

Conversions Part 1

Format	Color
Hex	637EF5
RGB	99, 126, 245
RGB Percent	39%, 49%, 96%
CMY	0.6117, 0.5059, 0.0392
CMYK	0.60, 0.49, 0.00, 0.04
HSL	229°, 88%, 67%
HSV	229°, 60%, 96%
XYZ	29.0879, 24.1669, 89.5178
YIQ	131.4930, -54.2910, 31.2850

Conversions

Conversions Part 2

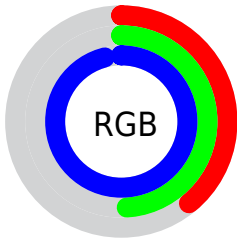
Format	Color
R _Y B	99, 122, 245
Decimal	6520565
CIE Lab	56.25, 25.50, -62.78
CIE LCh	56, 67.767, 292.108
Yxy	24.1669, 0.2037, 0.1693
Android (android.graphics.Color)	4284710645 (0xFF637EF5)
YUV	131.4930, 55.9590, -28.4964
Hunter-Lab	49.1598, 19.5888, -73.5525

Details

The XYZ color **29.0879, 24.1669, 89.5178** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **64.9824, 70.4605, 21.9817**, and the grayscale version is **21.5706, 22.6940, 24.7137**.

A 20% lighter version of the original color is **48.4676, 46.5344, 101.0353**, and **12.0327, 9.1988, 48.7183** is the 20% darker color. If you saturate the color by 10%, you get **24.5020, 18.3831, 88.6437**, and if you desaturate by 10%, it is **34.9972, 31.3900, 90.6011**.

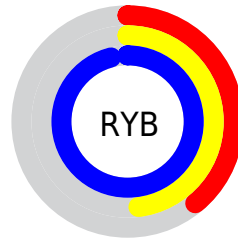
Distribution



Red (39%)

Green (49%)

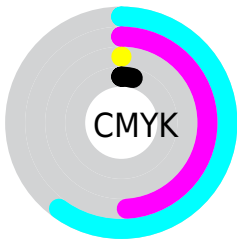
Blue (96%)



Red (39%)

Yellow (48%)

Blue (96%)

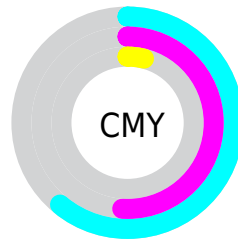


Cyan (60%)

Magenta (49%)

Yellow (0%)

Black (4%)



Cyan (61%)

Magenta (51%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0879, 24.1669, 89.5178 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 29.0879, 24.1669, 89.5178 by changing the saturation by 10% instead.

■ 29.0879, 24.1669,
89.5178

■ 29.0879, 24.1669,
89.5178

289.6162,
273.6632, 546.9906

■ 19.2919, 15.4575,
67.0093

■ 57.6133, 50.3024,
148.5981

■ 11.9867, 9.1411,
48.6306

■ 77.0735, 68.4973,
186.0070

■ 6.8067, 4.8333,
33.9630

■ 100.4857, 90.6228,
229.2197

■ 3.3868, 2.1498,
22.5880

■ 128.2155,
117.0633, 278.6549

■ 1.3614, 0.6924,
14.0872

160.6280,
148.2032, 334.7310

■ 0.2285, 0.0000,
8.0419

198.0888,

■ 0.0000, 0.0000,

184.4269, 397.8667

4.0336

240.9630,
226.1187, 468.4803

■ 0.0000, 0.0000,
1.6438

■ 0.0000, 0.0000,
0.3218

■ 29.0879, 24.1669,
89.5178

■ 29.0879, 24.1669,
89.5178

■ 24.5020, 18.3831,
88.6437

■ 34.9972, 31.3900,
90.6011

■ 21.1299, 13.9362,
87.9630

■ 42.3213, 40.1404,
91.9041

■ 18.8486, 10.7128,
87.4611

■ 51.1468, 50.5014,
93.4388

■ 17.4758, 8.5625,
87.1184

■ 61.5525, 62.5497,
95.2159

■ 17.4314, 8.4923,
87.1072

■ 73.6115, 76.3569,
97.2454

■ 87.3922, 91.9904,
99.5366

■ 93.4815, 99.3726,
100.6406

Harmonies

Analogous

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



20.9721, 24.1669, 95.8851



29.0879, 24.1669, 89.5178



36.9512, 24.1669, 62.4801

Triad

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



29.0879, 24.1669, 89.5178



33.4644, 24.1669, 4.8912



11.0888, 24.1669, 20.8471

Complementary

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



29.0879, 24.1669, 89.5178



64.9824, 70.4605, 21.9817

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.



13.0525, 24.1669, 7.7699



29.0879, 24.1669, 89.5178



25.0907, 24.1669, 2.5809

Square

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



29.0879, 24.1669, 89.5178



39.8503, 24.1669, 13.2349



17.7762, 24.1669, 3.2112



11.6905, 24.1669, 46.0101

Rectangle

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



29.0879, 24.1669, 89.5178



40.3976, 24.1669, 41.8338



17.7762, 24.1669, 3.2112



11.4516, 24.1669, 15.2030

Sweetspot

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



29.0890, 24.1676, 89.5184



69.3371, 70.7185, 104.6033



50.1682, 72.9060, 76.2599



14.0729, 14.2526, 22.2593



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.



29.0890, 24.1676, 89.5184



25.7649, 18.7486, 96.8686



32.2382, 21.3401, 88.8067



15.8290, 16.4223, 20.8781



9.4629, 4.7196, 46.9503



0.8983, 0.5479, 4.1487

Inverse Universe

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



45.8850, 29.8442, 23.0811



46.0864, 26.8446, 16.2106



59.0471, 78.6519, 23.8756



16.6243, 16.5326, 17.7679



20.5810, 10.5758, 2.5017



1.8425, 0.9429, 0.3968

Previews

White Background



This preview shows how the XYZ color 29.0879, 24.1669, 89.5178 looks on a white background.

Color Contrast Check

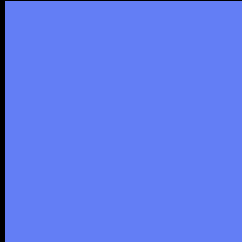
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.0879, 24.1669, 89.5178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

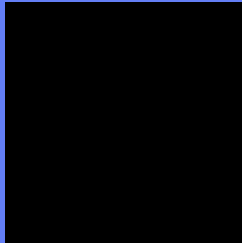
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.0879, 24.1669, 89.5178

Background



This preview shows how black text looks on a background with the XYZ color 29.0879, 24.1669, 89.5178.



This preview shows how white text looks on a background with the XYZ color 29.0879, 24.1669,

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

29.0879, 24.1669, 89.5178

Protanopia

27.7540, 24.1825, 92.8274

Deuteranopia

25.0102, 24.3215, 87.3807



Tritanopia

18.3139, 23.9870, 36.0125

Trichromacy



Original Color

29.0879, 24.1669, 89.5178

Protanomaly

28.2732, 24.2717, 92.0017

Deuteranomaly

25.3645, 23.6582, 88.0237

Tritanomaly

21.3509, 23.6388, 52.1526

Monochromacy



Original Color

29.0879, 24.1669, 89.5178

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.9044, 22.6010, 42.1850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0879, 24.1669, 89.5178 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, 126, 245)` looks like.

```
.text, #text, p{  
    color:rgb(99, 126, 245)  
}
```

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, 126, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 126, 245) }
```

Border

The CSS property to change the border of an element to XYZ 29.0879, 24.1669, 89.5178 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, 126, 245) }
```


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

```
.border{ border-color:rgb(99, 126, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 126, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 126, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 126, 245);  
box-shadow:4px 4px 4px 4px rgb(99, 126,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0879, 24.1669, 89.5178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 126, 245) }
```

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

```
.background{ background-color: rgb(99, 126,  
245) }
```

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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