

Converting Colors

XYZ(29.6532, 24.5408, 73.8106)

Have a look what the booklet for
XYZ(29.6532, 24.5408, 73.8106)
contains.

XYZ(29.6902, 24.6382, 73.7118)	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(29.6902, 24.6382,
73.7118)**

Conversions

Conversions Part 1

Format	Color
Hex	807DE0
RGB	128, 125, 224
RGB Percent	50%, 49%, 88%
CMY	0.4980, 0.5098, 0.1216
CMYK	0.43, 0.44, 0.00, 0.12
HSL	242°, 61%, 68%
HSV	242°, 44%, 88%
XYZ	29.6902, 24.6382, 73.7118
YIQ	137.1830, -29.9910, 31.4250

Conversions

Conversions Part 2

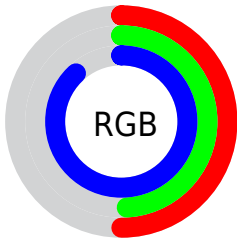
Format	Color
R _Y B	128, 125, 224
Decimal	8420832
CIE Lab	56.72, 25.80, -50.23
CIE LCh	57, 56.471, 297.189
Yxy	24.6382, 0.2319, 0.1924
Android (android.graphics.Color)	4286610912 (0xFF807DE0)
YUV	137.1830, 42.8008, -8.0535
Hunter-Lab	49.6369, 19.9049, -53.3011

Details

The XYZ color **29.6902, 24.6382, 73.7118** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **60.1760, 70.1643, 29.7741**, and the grayscale version is **23.6992, 24.9334, 27.1524**.

A 20% lighter version of the original color is **53.9780, 49.3751, 101.2931**, and **12.3248, 9.3738, 38.2055** is the 20% darker color. If you saturate the color by 10%, you get **24.2429, 18.0849, 72.7345**, and if you desaturate by 10%, it is **36.4781, 32.8325, 74.9362**.

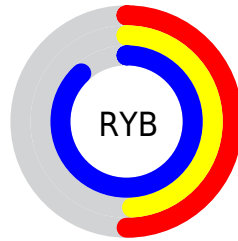
Distribution



Red (50%)

Green (49%)

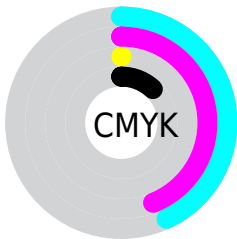
Blue (88%)



Red (50%)

Yellow (49%)

Blue (88%)

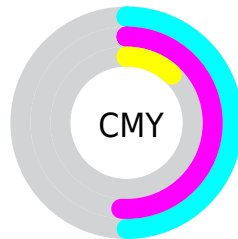


Cyan (43%)

Magenta (44%)

Yellow (0%)

Black (12%)



Cyan (50%)

Magenta (51%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6902, 24.6382, 73.7118 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 29.6902, 24.6382, 73.7118 by changing the saturation by 10% instead.

■ 29.6902, 24.6382,
73.7118

■ 29.6902, 24.6382,
73.7118

292.3935,
276.0313, 492.6149

■ 19.7505, 15.8077,
54.0628

■ 58.5619, 51.0697,
126.2174

■ 12.3210, 9.3882,
38.2584

■ 78.2246, 69.4394,
159.9112

■ 7.0364, 4.9952,
25.8799

■ 101.8589, 91.7577,
199.1236

■ 3.5314, 2.2445,
16.5089

129.8303,
118.4090, 244.2733

■ 1.4406, 0.7441,
9.7267

162.5042,
149.7776, 295.7787

■ 0.2849, 0.0000,
5.1149

200.2457,

■ 0.0000, 0.0000,

186.2479, 354.0584

2.2549

243.4204,
228.2044, 419.5309

■ 0.0000, 0.0000,
0.7058

■ 0.0000, 0.0000,
0.0000

■ 29.6902, 24.6382,
73.7118

■ 29.6902, 24.6382,
73.7118

■ 24.2429, 18.0849,
72.7345

■ 36.4781, 32.8325,
74.9362

■ 20.0448, 13.0596,
71.9858

■ 44.6841, 42.7652,
76.4209

■ 16.9975, 9.4396,
71.4476

■ 54.3834, 54.5293,
78.1804

■ 14.9868, 7.0816,
71.0985

■ 65.6451, 68.2104,
80.2275

■ 13.8750, 5.8122,
70.9121

■ 78.5337, 83.8886,
82.5744

■ 13.5397, 5.4257,
70.8551

■ 90.4546, 98.1619,
84.7011

Harmonies

Analogous

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



22.8026, 24.6382, 81.7599



29.6902, 24.6382, 73.7118



35.7474, 24.6382, 51.6521

Triad

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



29.6902, 24.6382, 73.7118



30.9675, 24.6382, 6.4389



12.9147, 24.6382, 25.0881

Complementary

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



29.6902, 24.6382, 73.7118



60.1760, 70.1643, 29.7741

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.



14.3098, 24.6382, 11.5888



29.6902, 24.6382, 73.7118



24.0441, 24.6382, 4.4669

Square

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



29.6902, 24.6382, 73.7118



36.5766, 24.6382, 13.4389



18.0977, 24.6382, 5.7764



13.8674, 24.6382, 47.0318

Rectangle

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



29.6902, 24.6382, 73.7118



38.0546, 24.6382, 35.6937



18.0977, 24.6382, 5.7764



13.1173, 24.6382, 19.5653

Sweetspot

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



29.6912, 24.6391, 73.7124



74.5183, 75.0479, 105.1659



48.1269, 62.1710, 79.9851



15.2817, 15.2522, 22.3885



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.



29.6912, 24.6391, 73.7124



33.0532, 24.8981, 97.6715



38.7272, 29.2973, 74.1353



12.9903, 13.2630, 17.2630



7.8983, 3.1670, 41.2434



0.5612, 0.2266, 2.8594

Inverse Universe

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



51.1255, 35.7355, 72.6086



65.3355, 41.6157, 95.7745



47.5583, 63.6597, 29.1836



14.2761, 13.9281, 17.2243



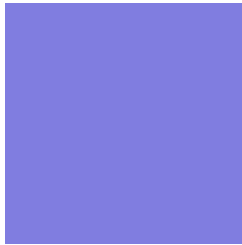
25.2072, 12.1499, 39.3522



1.7530, 0.8445, 2.7579

Previews

White Background



This preview shows how the XYZ color 29.6902, 24.6382, 73.7118 looks on a white background.

Color Contrast Check

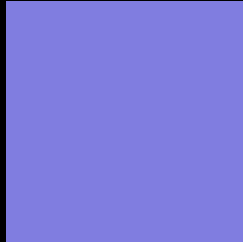
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6902, 24.6382, 73.7118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

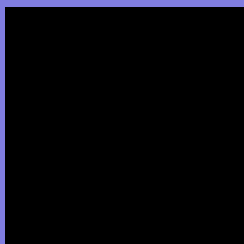
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.6902, 24.6382, 73.7118

Background



This preview shows how black text looks on a background with the XYZ color 29.6902, 24.6382, 73.7118.



This preview shows how white text looks on a background with the XYZ color 29.6902, 24.6382,

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

29.6902, 24.6382, 73.7118

Protanopia

27.4274, 24.9243, 78.9666

Deuteranopia

25.4226, 24.6678, 71.8281



Tritanopia

21.6228, 24.6317, 33.3205

Trichromacy



Original Color

29.6902, 24.6382, 73.7118

Protanomaly

27.9301, 24.6309, 76.6809

Deuteranomaly

26.5817, 24.4291, 72.4215

Tritanomaly

24.0360, 24.3242, 45.5477

Monochromacy



Original Color

29.6902, 24.6382, 73.7118

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

25.3805, 24.7080, 40.9675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6902, 24.6382, 73.7118 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(128, 125, 224)` looks like.

```
.text, #text, p{  
    color:rgb(128, 125, 224)  
}
```

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(128, 125, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 125, 224) }
```

Border

The CSS property to change the border of an element to XYZ 29.6902, 24.6382, 73.7118 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(128, 125, 224) }
```


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

```
.border{ border-color:rgb(128, 125, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 125, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 125, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 125, 224); box-shadow:4px 4px 4px 4px rgb(128, 125, 224) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6902, 24.6382, 73.7118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 125, 224) }
```

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

```
.background{ background-color: rgb(128,  
125, 224) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor