

Converting Colors

XYZ(25.3107, 18.4022, 72.7390)

Have a look what the booklet for
XYZ(25.3107, 18.4022, 72.7390)
contains.

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Color

**XYZ(25.3107, 18.4022,
72.7390)**

Conversions

Conversions Part 1

Format	Color
Hex	7465E0
RGB	116, 101, 224
RGB Percent	45%, 40%, 88%
CMY	0.5451, 0.6039, 0.1216
CMYK	0.48, 0.55, 0.00, 0.12
HSL	247°, 66%, 64%
HSV	247°, 55%, 88%
XYZ	25.3107, 18.4022, 72.7390
YIQ	119.5070, -30.5430, 41.4330

Conversions

Conversions Part 2

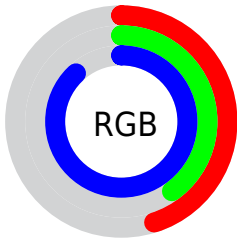
Format	Color
R_{YB}	116, 101, 224
Decimal	7628256
CIE _{Lab}	49.98, 37.28, -61.08
CIE _{LCh}	50, 71.557, 301.401
Yxy	18.4022, 0.2173, 0.1580
Android (android.graphics.Color)	4285818336 (0xFF7465E0)
YUV	119.5070, 51.5150, -3.0756
Hunter-Lab	42.8978, 30.2481, -70.5058

Details

The XYZ color **25.3107, 18.4022, 72.7390** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **55.2985, 67.8061, 22.4856**, and the grayscale version is **17.5446, 18.4582, 20.1010**.

A 20% lighter version of the original color is **46.7338, 38.6751, 99.6097**, and **9.9626, 6.2777, 37.7324** is the 20% darker color. If you saturate the color by 10%, you get **21.0814, 13.4216, 72.0010**, and if you desaturate by 10%, it is **30.6877, 24.8544, 73.7014**.

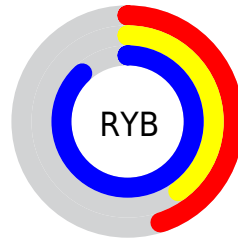
Distribution



Red (45%)

Green (40%)

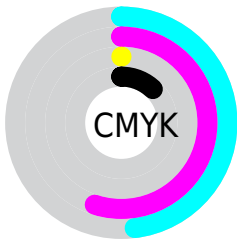
Blue (88%)



Red (45%)

Yellow (40%)

Blue (88%)

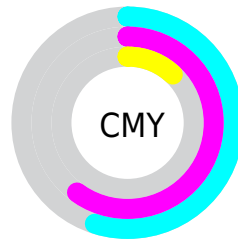


Cyan (48%)

Magenta (55%)

Yellow (0%)

Black (12%)



Cyan (55%)

Magenta (60%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.3107, 18.4022, 72.7390 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 25.3107, 18.4022, 72.7390 by changing the saturation by 10% instead.

■ 25.3107, 18.4022,
72.7390

■ 25.3107, 18.4022,
72.7390

271.7009,
243.1284, 489.1562

■ 16.4387, 11.2391,
53.2721

■ 51.6001, 40.7215,
124.8241

■ 9.9279, 6.2279,
37.6308

■ 69.7481, 56.6465,
158.2793

■ 5.4131, 2.9842,
25.3966

■ 91.7189, 76.2609,
197.2344

■ 2.5288, 1.1235,
16.1511

■ 117.8778, 99.9492,
242.1078

■ 0.9098, 0.0000,
9.4756

148.5900,
128.0957, 293.3182

■ 0.0000, 0.0000,
4.9517

184.2211,

■ 0.0000, 0.0000,

161.0848, 351.2840

2.1607

225.1362,
199.3009, 416.4239

■ 0.0000, 0.0000,
0.6515

■ 0.0000, 0.0000,
0.0000

■ 25.3107, 18.4022,
72.7390

■ 25.3107, 18.4022,
72.7390

■ 21.0814, 13.4216,
72.0010

■ 30.6877, 24.8544,
73.7014

■ 17.9125, 9.7938,
71.4677

■ 37.2859, 32.8807,
74.9029

■ 15.7084, 7.3845,
71.1189

■ 45.1754, 42.5764,
76.3585

■ 14.3540, 6.0300,
70.9288

■ 54.4206, 54.0288,
78.0818

■ 13.9152, 5.6193,
70.8727

■ 65.0811, 67.3190,
80.0852

■ 77.2133, 82.5230,
82.3804

■ 89.9701, 97.9121,
84.6784

■ 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.



17.8155, 18.4022, 86.5890



25.3107, 18.4022, 72.7390



31.8317, 18.4022, 44.1331

Triad

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



25.3107, 18.4022, 72.7390



24.6023, 18.4022, 1.7983



7.3337, 18.4022, 20.9754

Complementary

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



25.3107, 18.4022, 72.7390



55.2985, 67.8061, 22.4856

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.



8.2712, 18.4022, 6.8402



25.3107, 18.4022, 72.7390



17.1700, 18.4022, 1.0245

Square

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



25.3107, 18.4022, 72.7390



31.3531, 18.4022, 6.0877



11.4743, 18.4022, 1.9900



8.4687, 18.4022, 46.8990

Rectangle

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



25.3107, 18.4022, 72.7390



34.0618, 18.4022, 26.2389



11.4743, 18.4022, 1.9900



7.4149, 18.4022, 14.8983

Sweetspot

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



25.3115, 18.4028, 72.7395



71.4139, 70.5020, 104.4521



41.7820, 54.0695, 78.7558



14.7123, 14.3790, 22.2499



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.



25.3115, 18.4028, 72.7395



27.5250, 17.1280, 96.4630



36.2059, 24.0191, 73.2493



13.1066, 13.3230, 17.2685



8.1507, 3.2971, 41.2552



0.6168, 0.2553, 2.8620

Inverse Universe

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



46.9027, 29.7583, 63.5915



59.5429, 33.9955, 81.6202



41.2449, 60.5612, 21.8279



14.2193, 13.9053, 16.9249



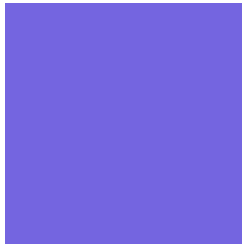
23.7666, 11.5736, 31.7664



1.6679, 0.8104, 2.3100

Previews

White Background



This preview shows how the XYZ color 25.3107, 18.4022, 72.7390 looks on a white background.

Color Contrast Check

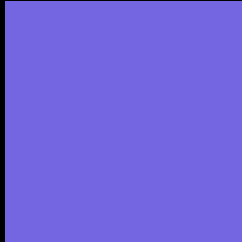
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.3107, 18.4022, 72.7390 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 25.3107, 18.4022, 72.7390

Background



This preview shows how black text looks on a background with the XYZ color 25.3107, 18.4022, 72.7390.



This preview shows how white text looks on a background with the XYZ color 25.3107, 18.4022,

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

25.3107, 18.4022, 72.7390

Protanopia

22.0456, 18.5148, 83.3007

Deuteranopia

18.8476, 18.4788, 65.5242



Tritanopia

15.7272, 18.3102, 25.2596

Trichromacy



Original Color

25.3107, 18.4022, 72.7390



Protanomaly

22.2265, 17.8772, 79.3700



Deuteranomaly

19.4965, 17.5366, 68.0030



Tritanomaly

18.3660, 17.9335, 39.0527

Monochromacy



Original Color

25.3107, 18.4022, 72.7390



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

19.6844, 18.2008, 34.8234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.3107, 18.4022, 72.7390 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(116, 101, 224)` looks like.

```
.text, #text, p{  
    color:rgb(116, 101, 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(116, 101, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 101, 224) }
```

Border

The CSS property to change the border of an element to XYZ 25.3107, 18.4022, 72.7390 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(116, 101, 224) }
```


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

```
.border{ border-color:rgb(116, 101, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 101, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 101, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 101, 224);  
box-shadow:4px 4px 4px 4px rgb(116, 101,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 25.3107, 18.4022, 72.7390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 101, 224) }
```

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

```
.background{ background-color: rgb(116,  
101, 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](#).

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