

Converting Colors

XYZ(18.3293, 12.4512, 68.4551)

Have a look what the booklet for
XYZ(18.3293, 12.4512, 68.4551)
contains.

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Color

**XYZ(18.3293, 12.4512,
68.4551)**

Conversions

Conversions Part 1

Format	Color
Hex	4652DB
RGB	70, 82, 219
RGB Percent	27%, 32%, 86%
CMY	0.7255, 0.6784, 0.1412
CMYK	0.68, 0.63, 0.00, 0.14
HSL	235°, 67%, 57%
HSV	235°, 68%, 86%
XYZ	18.3293, 12.4512, 68.4551
YIQ	94.0300, -51.1290, 40.0630

Conversions

Conversions Part 2

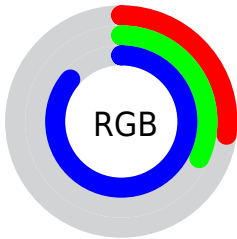
Format	Color
RYB	70, 81, 219
Decimal	4608731
CIELab	41.92, 39.20, -71.46
CIELCh	42, 81.509, 298.744
Yxy	12.4512, 0.1847, 0.1255
Android (android.graphics.Color)	4282798811 (0xFF4652DB)
YUV	94.0300, 61.6102, -21.0743
Hunter-Lab	35.2863, 30.9701, -90.3218

Details

The XYZ color **18.3293, 12.4512, 68.4551** is a dark color, and the websafe version is hex **6666FF**. The color can be described as dark muted blue. A complement of this color would be **52.6346, 60.1329, 14.6286**, and the grayscale version is **10.5150, 11.0626, 12.0471**.

A 20% lighter version of the original color is **36.2929, 28.8734, 98.2680**, and **7.2724, 3.9675, 35.0328** is the 20% darker color. If you saturate the color by 10%, you get **15.7255, 9.1758, 67.9605**, and if you desaturate by 10%, it is **21.9557, 16.9149, 69.1259**.

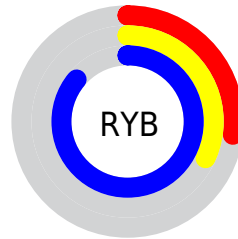
Distribution



Red (27%)

Green (32%)

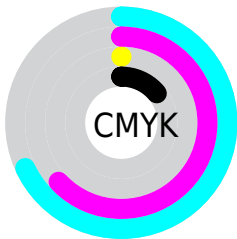
Blue (86%)



Red (27%)

Yellow (32%)

Blue (86%)

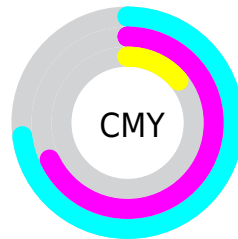


Cyan (68%)

Magenta (63%)

Yellow (0%)

Black (14%)



Cyan (73%)

Magenta (68%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3293, 12.4512, 68.4551 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 18.3293, 12.4512, 68.4551 by changing the saturation by 10% instead.

■ 18.3293, 12.4512,
68.4551

■ 18.3293, 12.4512,
68.4551

235.7305,
207.3699, 473.7486

■ 11.2878, 7.0517,
49.7991

■ 40.1233, 30.3143,
118.6633

■ 6.3295, 3.4945,
34.8837

■ 55.6066, 43.5466,
151.0526

■ 3.0890, 1.3950,
23.2905

■ 74.6345, 60.1588,
188.8567

■ 1.2010, 0.2130,
14.6008

■ 97.5723, 80.5351,
232.4942

■ 0.1072, 0.0000,
8.3962

■ 124.7855,
105.0600, 282.3835

■ 0.0000, 0.0000,
4.2581

156.6393,

■ 0.0000, 0.0000,

134.1178, 338.9434

1.7680

193.4992,
168.0930, 402.5922

■ 0.0000, 0.0000,
0.4067

■ 0.0000, 0.0000,
0.0000

■ 18.3293, 12.4512,
68.4551

■ 18.3293, 12.4512,
68.4551

■ 15.7255, 9.1758,
67.9605

■ 21.9557, 16.9149,
69.1259

■ 14.0358, 6.9733,
67.6244

■ 26.6943, 22.6658,
69.9862

■ 13.1193, 5.7005,
67.4270

■ 32.6270, 29.7934,
71.0493

■ 12.9965, 5.5350,
67.4016

■ 39.8276, 38.3790,
72.3269

■ 48.3638, 48.4973,
73.8300

■ 58.2986, 60.2182,
75.5688

■ 69.6909, 73.6072,
77.5527

■ 82.5963, 88.7260,
79.7907

■ 89.7862, 97.8945,
81.1815

Harmonies

Analogous

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



11.5823, 12.4512, 81.1874



18.3293, 12.4512, 68.4551



24.7652, 12.4512, 39.1033

Triad

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



18.3293, 12.4512, 68.4551



18.9245, 12.4512, 0.1821



3.6173, 12.4512, 12.8428

Complementary

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



18.3293, 12.4512, 68.4551



52.6346, 60.1329, 14.6286

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.



4.4342, 12.4512, 2.5980



18.3293, 12.4512, 68.4551



12.0903, 12.4512, 0.0000

Square

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



18.3293, 12.4512, 68.4551



25.1831, 12.4512, 3.0397



7.0899, 12.4512, 0.0572



4.3035, 12.4512, 36.6057

Rectangle

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



18.3293, 12.4512, 68.4551



27.2302, 12.4512, 21.1232



7.0899, 12.4512, 0.0572



3.7181, 12.4512, 8.0555

Sweetspot

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



18.3300, 12.4515, 68.4555



65.5332, 65.2200, 103.7425



39.0699, 56.4504, 67.6024



13.2788, 13.0738, 22.0736



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.



18.3300, 12.4515, 68.4555



20.9347, 11.3235, 95.6900



24.5066, 14.4087, 68.5077



12.4225, 12.7847, 16.4651



7.7380, 3.3455, 39.9763



0.5313, 0.2767, 2.5998

Inverse Universe

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



32.9273, 20.0508, 10.1173



43.1027, 23.5620, 6.9390



40.3266, 58.2657, 14.9169



13.0984, 13.0684, 13.7792



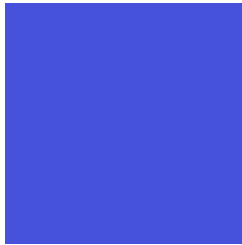
17.4011, 8.9615, 1.2265



1.1425, 0.5866, 0.1591

Previews

White Background



This preview shows how the XYZ color 18.3293, 12.4512, 68.4551 looks on a white background.

Color Contrast Check

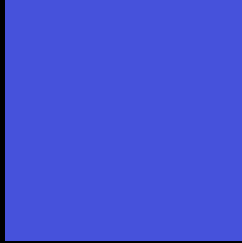
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 18.3293, 12.4512, 68.4551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

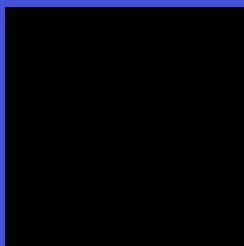
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.3293, 12.4512, 68.4551

Background



This preview shows how black text looks on a background with the XYZ color 18.3293, 12.4512, 68.4551.



This preview shows how white text looks on a background with the XYZ color 18.3293, 12.4512,

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

18.3293, 12.4512, 68.4551

Protanopia

14.6348, 12.4015, 56.8807

Deuteranopia

12.1001, 12.2859, 40.7634



Tritanopia

8.6795, 12.2216, 18.7312

Trichromacy



Original Color

18.3293, 12.4512, 68.4551

Protanomaly

15.4422, 12.0731, 61.1909

Deuteranomaly

13.5889, 11.8862, 49.7222

Tritanomaly

10.6955, 11.4634, 32.2208

Monochromacy



Original Color

18.3293, 12.4512, 68.4551

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

12.0627, 11.1077, 25.9343

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3293, 12.4512, 68.4551 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(70, 82, 219)` looks like.

```
.text, #text, p{  
    color:rgb(70, 82, 219)  
}
```

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(70, 82, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 82, 219) }
```

Border

The CSS property to change the border of an element to XYZ 18.3293, 12.4512, 68.4551 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(70, 82, 219) }
```


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

```
.border{ border-color:rgb(70, 82, 219) }
```

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

Here you see how a box with a 4 pixel rgb(70, 82, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 82, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 82, 219);  
box-shadow:4px 4px 4px 4px rgb(70, 82,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3293, 12.4512, 68.4551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 82, 219) }
```

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

```
.background{ background-color: rgb(70, 82,  
219) }
```

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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