

Converting Colors

XYZ(16.9781, 16.1458, 31.0773)

Have a look what the booklet for
XYZ(16.9781, 16.1458, 31.0773)
contains.

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Color

**XYZ(16.9310, 16.0529,
31.0603)**

Conversions

Conversions Part 1

Format	Color
Hex	6B6C96
RGB	107, 108, 150
RGB Percent	42%, 42%, 59%
CMY	0.5804, 0.5765, 0.4118
CMYK	0.29, 0.28, 0.00, 0.41
HSL	239°, 17%, 50%
HSV	239°, 29%, 59%
XYZ	16.9310, 16.0529, 31.0603
YIQ	112.4890, -14.0780, 12.8500

Conversions

Conversions Part 2

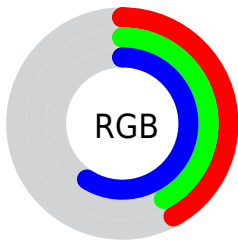
Format	Color
R_{YB}	107, 108, 150
Decimal	7040150
CIE Lab	47.04, 9.59, -22.96
CIE LCh	47, 24.884, 292.670
Yxy	16.0529, 0.2644, 0.2507
Android (android.graphics.Color)	4285230230 (0xFF6B6C96)
YUV	112.4890, 18.4929, -4.8139
Hunter-Lab	40.0661, 5.3144, -17.9170

Details

The XYZ color **16.9310, 16.0529, 31.0603** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.9793, 29.0409, 18.1468**, and the grayscale version is **15.4955, 16.3025, 17.7534**.

A 20% lighter version of the original color is **37.5953, 36.5268, 62.1956**, and **5.6658, 5.1379, 12.4975** is the 20% darker color. If you saturate the color by 10%, you get **13.8641, 12.3679, 30.5109**, and if you desaturate by 10%, it is **20.5715, 20.4198, 31.7116**.

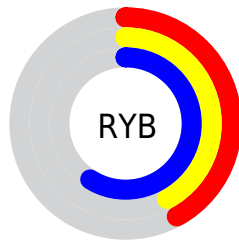
Distribution



Red (42%)

Green (42%)

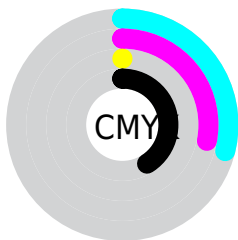
Blue (59%)



Red (42%)

Yellow (42%)

Blue (59%)

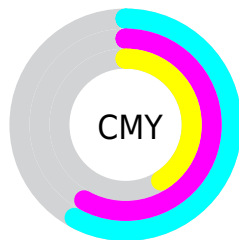


Cyan (29%)

Magenta (28%)

Yellow (0%)

Black (41%)



Cyan (58%)

Magenta (58%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9310, 16.0529, 31.0603 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 16.9310, 16.0529, 31.0603 by changing the saturation by 10% instead.

■ 16.9310, 16.0529,
31.0603

■ 16.9310, 16.0529,
31.0603

227.9384,
229.6537, 321.1758

■ 10.2803, 9.5616,
20.3859

■ 37.7516, 36.6900,
62.4157

■ 5.6489, 5.1093,
12.4890

■ 52.6523, 51.6046,
83.9338

■ 2.6714, 2.3115,
6.9511

■ 71.0337, 70.0958,
109.9035

■ 0.9825, 0.7798,
3.3535

■ 93.2611, 92.5479,
140.7434

■ 0.0000, 0.0000,
1.2779

119.6999,
119.3453, 176.8721

■ 0.0000, 0.0000,
0.0435

150.7155,

■ 0.0000, 0.0000,

150.8725, 218.7080

0.0000

186.6732,
187.5138, 266.6697

■ 16.9310, 16.0529,
31.0603

■ 16.9310, 16.0529,
31.0603

■ 13.8641, 12.3679,
30.5109

■ 20.5715, 20.4198,
31.7116

■ 11.3402, 9.3286,
30.0573

■ 24.8110, 25.4987,
32.4685

■ 9.3279, 6.8985,
29.6943

■ 29.6755, 31.3199,
33.3357

■ 7.7924, 5.0364,
29.4158

■ 35.1889, 37.9116,
34.3174

■ 6.6944, 3.6963,
29.2150

■ 41.3736, 45.3005,
35.4177

■ 5.9881, 2.8249,
29.0841

■ 48.2514, 53.5119,
36.6401

■ 5.5892, 2.3331,
29.0102

■ 55.8427, 62.5703,
37.9885

■ 5.5429, 2.2777,
29.0019

■ 64.1672, 72.4988,
39.4661

■ 73.2440, 83.3198,
41.0764

Harmonies

Analogous

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



14.7293, 16.0529, 32.2930



16.9310, 16.0529, 31.0603



18.8393, 16.0529, 25.8156

Triad

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



16.9310, 16.0529, 31.0603



17.9433, 16.0529, 9.5658



11.4667, 16.0529, 15.9916

Complementary

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



16.9310, 16.0529, 31.0603



25.9793, 29.0409, 18.1468

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.



12.1617, 16.0529, 11.1632



16.9310, 16.0529, 31.0603



15.7988, 16.0529, 8.0715

Square

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



16.9310, 16.0529, 31.0603



19.4615, 16.0529, 13.2484



13.6986, 16.0529, 8.5772



11.7077, 16.0529, 22.5258

Rectangle

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



16.9310, 16.0529, 31.0603



19.6190, 16.0529, 21.3040



13.6986, 16.0529, 8.5772



11.5961, 16.0529, 14.1414

Sweetspot

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



16.9315, 16.0535, 31.0607



43.3762, 44.5089, 57.2262



22.3605, 27.0950, 32.3043



9.3799, 9.5850, 12.6405



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.9315, 16.0535, 31.0607



26.5117, 24.2848, 54.2114



19.5256, 17.2352, 31.1520



5.5097, 5.6533, 7.2705



4.6005, 1.8958, 24.0545



0.0585, 0.0275, 0.2951

Inverse Universe

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



20.5426, 18.0827, 16.5955



33.8958, 28.4539, 24.6282



22.7563, 27.6151, 18.0414



5.8059, 5.8174, 6.0842



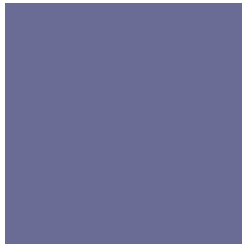
10.4492, 5.3847, 0.5806



0.1290, 0.0663, 0.0128

Previews

White Background



This preview shows how the XYZ color 16.9310, 16.0529, 31.0603 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 16.9310, 16.0529, 31.0603 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 16.9310, 16.0529, 31.0603

Background



This preview shows how black text looks on a background with the XYZ color 16.9310, 16.0529, 31.0603.



This preview shows how white text looks on a background with the XYZ color 16.9310, 16.0529,

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

16.9310, 16.0529, 31.0603

Protanopia

16.3890, 16.0715, 31.9441

Deuteranopia

16.4478, 16.1206, 31.0989



Tritanopia

14.7848, 15.9821, 20.7180

Trichromacy



Original Color

16.9310, 16.0529, 31.0603

Protanomaly

16.5340, 15.9964, 31.4943

Deuteranomaly

16.5672, 16.0229, 31.0737

Tritanomaly

15.4428, 15.9184, 24.0884

Monochromacy



Original Color

16.9310, 16.0529, 31.0603

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.8807, 16.1902, 22.0267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9310, 16.0529, 31.0603 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(107, 108, 150)` looks like.

```
.text, #text, p{  
    color:rgb(107, 108, 150)  
}
```

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(107, 108, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 108, 150) }
```

Border

The CSS property to change the border of an element to XYZ 16.9310, 16.0529, 31.0603 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(107, 108, 150) }
```


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

```
.border{ border-color:rgb(107, 108, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 108, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 108, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 108, 150);  
box-shadow:4px 4px 4px 4px rgb(107, 108,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9310, 16.0529, 31.0603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 108, 150) }
```

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

```
.background{ background-color: rgb(107,  
108, 150) }
```

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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