

Converting Colors

XYZ(17.9558, 16.2719, 31.0488)

Have a look what the booklet for
XYZ(17.9558, 16.2719, 31.0488)
contains.

XYZ(17.9952, 16.2920, 31.0504)	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(17.9952, 16.2920,
31.0504)**

Conversions

Conversions Part 1

Format	Color
Hex	756A96
RGB	117, 106, 150
RGB Percent	46%, 42%, 59%
CMY	0.5412, 0.5843, 0.4118
CMYK	0.22, 0.29, 0.00, 0.41
HSL	255°, 17%, 50%
HSV	255°, 29%, 59%
XYZ	17.9952, 16.2920, 31.0504
YIQ	114.3050, -7.5680, 16.0160

Conversions

Conversions Part 2

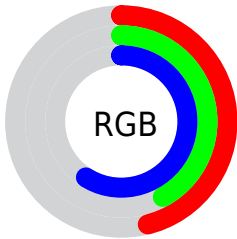
Format	Color
R_{YB}	117, 106, 150
Decimal	7694998
CIE _{Lab}	47.36, 14.02, -22.41
CIE _{LCh}	47, 26.436, 302.036
Yxy	16.2920, 0.2754, 0.2494
Android (android.graphics.Color)	4285885078 (0xFF756A96)
YUV	114.3050, 17.5976, 2.3635
Hunter-Lab	40.3633, 8.9448, -17.3558

Details

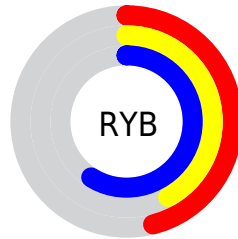
The XYZ color **17.9952, 16.2920, 31.0504** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.1558, 28.3427, 17.8339**, and the grayscale version is **16.0367, 16.8718, 18.3734**.

A 20% lighter version of the original color is **39.5336, 37.0196, 62.1886**, and **6.2000, 5.2577, 12.4924** is the 20% darker color. If you saturate the color by 10%, you get **15.1608, 12.7336, 30.5132**, and if you desaturate by 10%, it is **21.2828, 20.4862, 31.6870**.

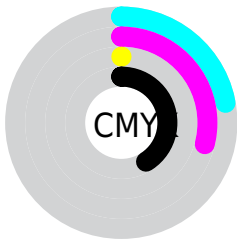
Distribution



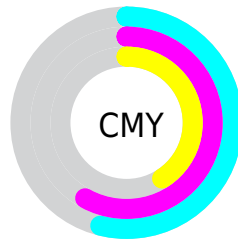
- Red (46%)
- Green (42%)
- Blue (59%)



- Red (46%)
- Yellow (42%)
- Blue (59%)



- Cyan (22%)
- Magenta (29%)
- Yellow (0%)
- Black (41%)



- Cyan (54%)
- Magenta (58%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9952, 16.2920, 31.0504 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 17.9952, 16.2920, 31.0504 by changing the saturation by 10% instead.

■ 17.9952, 16.2920,
31.0504

■ 17.9952, 16.2920,
31.0504

233.8901,
231.0586, 321.1288

■ 11.0462, 9.7310,
20.3784

■ 39.5593, 37.1044,
62.3999

■ 6.1654, 5.2210,
12.4836

■ 54.9051, 52.1246,
83.9146

■ 2.9876, 2.3775,
6.9474

■ 73.7806, 70.7333,
109.8805

■ 1.1472, 0.8143,
3.3513

■ 96.5510, 93.3150,
140.7163

■ 0.0640, 0.0000,
1.2767

123.5819,
120.2539, 176.8405

■ 0.0000, 0.0000,
0.0426

155.2384,

■ 0.0000, 0.0000,

151.9346, 218.6716

0.0000

191.8860,
188.7414, 266.6282

■ 17.9952, 16.2920,
31.0504

■ 17.9952, 16.2920,
31.0504

■ 15.1608, 12.7336,
30.5132

■ 21.2828, 20.4862,
31.6870

■ 12.7574, 9.7775,
30.0693

■ 25.0411, 25.3434,
32.4264

■ 10.7635, 7.3902,
29.7136

■ 29.2887, 30.8918,
33.2735

■ 9.1548, 5.5340,
29.4401

■ 34.0426, 37.1571,
34.2323

■ 7.9043, 4.1663,
29.2420

■ 39.3190, 44.1640,
35.3066

6.9813, 3.2382,
29.1115

45.1334, 51.9357,
36.5003

6.3246, 2.6406,
29.0308

51.5008, 60.4947,
37.8167

6.2861, 2.6046,
29.0259

58.4352, 69.8622,
39.2593

65.9504, 80.0589,
40.8314

Harmonies

Analogous

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



15.6454, 16.2920, 33.9746



17.9952, 16.2920, 31.0504



19.8064, 16.2920, 24.4898

Triad

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



17.9952, 16.2920, 31.0504



17.6910, 16.2920, 8.6219



11.4115, 16.2920, 18.2008

Complementary

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



17.9952, 16.2920, 31.0504



24.1558, 28.3427, 17.8339

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.



11.8429, 16.2920, 12.3593



17.9952, 16.2920, 31.0504



15.3258, 16.2920, 7.7300

Square

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



17.9952, 16.2920, 31.0504



19.6187, 16.2920, 11.7468



13.2199, 16.2920, 8.9079



11.9771, 16.2920, 25.4859

Rectangle

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



17.9952, 16.2920, 31.0504



20.3795, 16.2920, 19.5841



13.2199, 16.2920, 8.9079



11.4446, 16.2920, 16.0140

Sweetspot

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



17.9957, 16.2927, 31.0508



44.3009, 44.8671, 57.2465



20.7886, 23.9450, 32.3806



9.6109, 9.6745, 12.6457



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.



17.9957, 16.2927, 31.0508



28.4873, 24.6332, 54.1745



21.1850, 17.9368, 31.2000



5.6273, 5.6988, 7.2731



5.2395, 2.1736, 24.0744



0.0878, 0.0388, 0.2958

Inverse Universe

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



22.3924, 18.6568, 26.8475



37.5740, 29.5250, 45.2314



20.9434, 26.6866, 17.6836



5.9740, 5.8847, 6.9692



12.8937, 6.3625, 13.4531



0.1696, 0.0826, 0.2267

Previews

White Background



This preview shows how the XYZ color 17.9952, 16.2920, 31.0504 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 17.9952, 16.2920, 31.0504 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 17.9952, 16.2920, 31.0504

Background



This preview shows how black text looks on a background with the XYZ color 17.9952, 16.2920, 31.0504.



This preview shows how white text looks on a background with the XYZ color 17.9952, 16.2920,

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

17.9952, 16.2920, 31.0504

Protanopia

16.7727, 16.4113, 32.8555

Deuteranopia

16.7028, 16.4224, 30.7233



Tritanopia

15.8664, 16.3892, 20.0965

Trichromacy



Original Color

17.9952, 16.2920, 31.0504

Protanomaly

17.1623, 16.3014, 32.3789

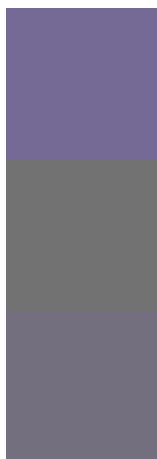
Deuteranomaly

17.0778, 16.2953, 30.6790

Tritanomaly

16.6121, 16.3680, 23.7565

Monochromacy



Original Color

17.9952, 16.2920, 31.0504

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.5854, 16.5460, 22.3982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9952, 16.2920, 31.0504 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(117, 106, 150)` looks like.

```
.text, #text, p{  
    color:rgb(117, 106, 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(117, 106, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 106, 150) }
```

Border

The CSS property to change the border of an element to XYZ 17.9952, 16.2920, 31.0504 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(117, 106, 150) }
```


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

```
.border{ border-color:rgb(117, 106, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 106, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 106, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 106, 150);  
box-shadow:4px 4px 4px 4px rgb(117, 106,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9952, 16.2920, 31.0504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 106, 150) }
```

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

```
.background{ background-color: rgb(117,  
106, 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](#).

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