

Converting Colors

XYZ(17.2202, 17.6008, 31.1553)

Have a look what the booklet for
XYZ(17.2202, 17.6008, 31.1553)
contains.

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Color

**XYZ(17.2299, 17.5176,
31.3273)**

Conversions

Conversions Part 1

Format	Color
Hex	667496
RGB	102, 116, 150
RGB Percent	40%, 45%, 59%
CMY	0.6000, 0.5451, 0.4118
CMYK	0.32, 0.23, 0.00, 0.41
HSL	222°, 19%, 49%
HSV	222°, 32%, 59%
XYZ	17.2299, 17.5176, 31.3273
YIQ	115.6900, -19.2580, 7.6060

Conversions

Conversions Part 2

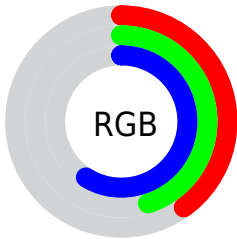
Format	Color
RYB	102, 113, 150
Decimal	6714518
CIELab	48.91, 3.21, -20.13
CIELCh	49, 20.382, 279.065
Yxy	17.5176, 0.2608, 0.2651
Android (android.graphics.Color)	4284904598 (0xFF667496)
YUV	115.6900, 16.9148, -12.0061
Hunter-Lab	41.8540, 0.2379, -15.0801

Details

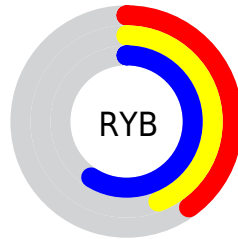
The XYZ color **17.2299, 17.5176, 31.3273** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **23.7804, 25.0518, 16.1530**, and the grayscale version is **16.4603, 17.3175, 18.8588**.

A 20% lighter version of the original color is **38.2281, 39.2349, 62.6850**, and **5.7875, 5.7920, 12.6173** is the 20% darker color. If you saturate the color by 10%, you get **14.5259, 14.4086, 30.8700**, and if you desaturate by 10%, it is **20.3828, 21.0667, 31.8465**.

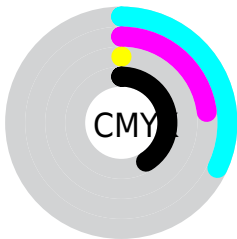
Distribution



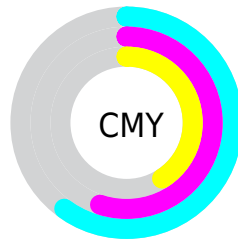
- Red (40%)
- Green (45%)
- Blue (59%)



- Red (40%)
- Yellow (44%)
- Blue (59%)



- Cyan (32%)
- Magenta (23%)
- Yellow (0%)
- Black (41%)



- Cyan (60%)
- Magenta (55%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2299, 17.5176, 31.3273 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 17.2299, 17.5176, 31.3273 by changing the saturation by 10% instead.

■ 17.2299, 17.5176,
31.3273

■ 17.2299, 17.5176,
31.3273

229.6243,
238.1378, 322.4411

■ 10.4949, 10.6042,
20.5877

■ 38.2611, 39.2136,
62.8406

■ 5.7930, 5.8014,
12.6346

■ 53.2880, 54.7650,
84.4514

■ 2.7591, 2.7247,
7.0497

■ 71.8095, 73.9645,
110.5229

■ 1.0277, 0.9897,
3.4143

■ 94.1910, 97.1965,
141.4737

■ 0.0000, 0.0000,
1.3099

120.7979,
124.8455, 177.7224

■ 0.0000, 0.0000,
0.0698

151.9955,

■ 0.0000, 0.0000,

157.2957, 219.6875

0.0000

188.1492,
194.9317, 267.7876

■ 17.2299, 17.5176,
31.3273

■ 17.2299, 17.5176,
31.3273

■ 14.5259, 14.4086,
30.8700

■ 20.3828, 21.0667,
31.8465

■ 12.2477, 11.7198,
30.4711

■ 24.0027, 25.0708,
32.4286

■ 10.3728, 9.4325,
30.1284

■ 28.1087, 29.5465,
33.0760

■ 8.8757, 7.5258,
29.8393

■ 32.7184, 34.5088,
33.7909

■ 7.7279, 5.9767,
29.6008

■ 37.8486, 39.9724,
34.5751

■ 6.8961, 4.7589,
29.4096

■ 43.5150, 45.9509,
35.4304

■ 6.3966, 3.9851,
29.2865

■ 49.7329, 52.4578,
36.3586

■ 56.5169, 59.5056,
37.3615

■ 63.8810, 67.1069,
38.4405

Harmonies

Analogous

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



15.3833, 17.5176, 30.5572



17.2299, 17.5176, 31.3273



19.0501, 17.5176, 28.3637

Triad

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



17.2299, 17.5176, 31.3273



19.6382, 17.5176, 13.2309



13.4772, 17.5176, 15.5870

Complementary

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



17.2299, 17.5176, 31.3273



23.7804, 25.0518, 16.1530

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.



14.4603, 17.5176, 12.0722



17.2299, 17.5176, 31.3273



17.9843, 17.5176, 10.9018

Square

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



17.2299, 17.5176, 31.3273



20.5082, 17.5176, 17.4784



16.0832, 17.5176, 10.5221



13.3087, 17.5176, 20.7633

Rectangle

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



17.2299, 17.5176, 31.3273



19.9704, 17.5176, 24.9484



16.0832, 17.5176, 10.5221



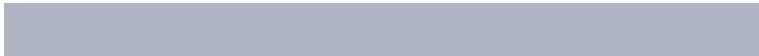
13.7196, 17.5176, 14.2022

Sweetspot

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



17.2305, 17.5183, 31.3277



43.6004, 45.6050, 57.4259



20.8018, 26.4041, 27.1443



9.4685, 9.8942, 12.6956



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.



17.2305, 17.5183, 31.3277



27.1016, 27.1284, 54.7291



16.8882, 15.1238, 30.8836



5.6291, 5.8923, 7.3104



5.3301, 3.3550, 24.2977



0.0882, 0.0869, 0.3050

Inverse Universe

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



20.4819, 17.2482, 18.7735



33.7873, 26.8555, 28.8513



24.1878, 28.3826, 16.7744



5.8662, 5.8416, 6.4018



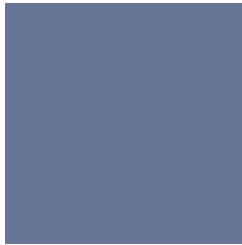
10.8175, 5.5320, 2.5199



0.1440, 0.0723, 0.0918

Previews

White Background



This preview shows how the XYZ color 17.2299, 17.5176, 31.3273 looks on a white background.

Color Contrast Check

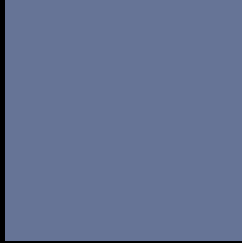
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.2299, 17.5176, 31.3273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

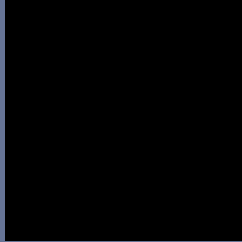
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

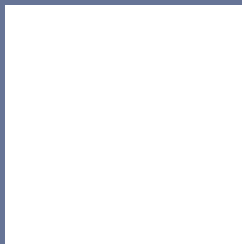
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.2299, 17.5176, 31.3273

Background



This preview shows how black text looks on a background with the XYZ color 17.2299, 17.5176, 31.3273.

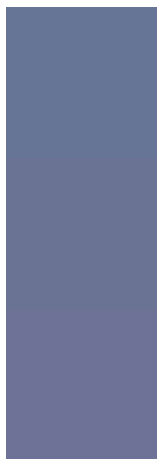


This preview shows how white text looks on a background with the XYZ color 17.2299, 17.5176,

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

17.2299, 17.5176, 31.3273

Protanopia

17.6190, 17.5572, 30.8940

Deuteranopia

17.8290, 17.4878, 31.2900



Tritanopia

15.6087, 17.5593, 23.3355

Trichromacy



Original Color

17.2299, 17.5176, 31.3273

Protanomaly

17.3812, 17.4347, 30.8829

Deuteranomaly

17.5796, 17.5276, 31.3108

Tritanomaly

16.2578, 17.6524, 26.2173

Monochromacy



Original Color

17.2299, 17.5176, 31.3273

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.6972, 17.4288, 22.9061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2299, 17.5176, 31.3273 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(102, 116, 150)` looks like.

```
.text, #text, p{  
    color:rgb(102, 116, 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(102, 116, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 116, 150) }
```

Border

The CSS property to change the border of an element to XYZ 17.2299, 17.5176, 31.3273 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(102, 116, 150) }
```


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

```
.border{ border-color:rgb(102, 116, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 116, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 116, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 116, 150);  
box-shadow:4px 4px 4px 4px rgb(102, 116,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2299, 17.5176, 31.3273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 116, 150) }
```

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

```
.background{ background-color: rgb(102,  
116, 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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