

Converting Colors

XYZ(16.5105, 20.2317, 29.4049)

Have a look what the booklet for
XYZ(16.5105, 20.2317, 29.4049)
contains.

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Color

**XYZ(16.5098, 20.1784,
29.4102)**

Conversions

Conversions Part 1

Format	Color
Hex	4F8490
RGB	79, 132, 144
RGB Percent	31%, 52%, 56%
CMY	0.6902, 0.4823, 0.4353
CMYK	0.45, 0.08, 0.00, 0.44
HSL	191°, 29%, 44%
HSV	191°, 45%, 56%
XYZ	16.5098, 20.1784, 29.4102
YIQ	117.5210, -35.4400, -7.5040

Conversions

Conversions Part 2

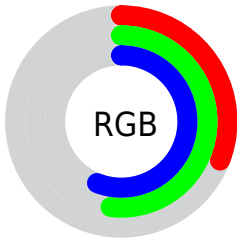
Format	Color
R_{YB}	79, 108, 144
Decimal	5211280
CIE _{Lab}	52.04, -14.29, -11.98
CIE _{LCh}	52, 18.645, 219.965
Yxy	20.1784, 0.2498, 0.3053
Android (android.graphics.Color)	4283401360 (0xFF4F8490)
YUV	117.5210, 13.0541, -33.7829
Hunter-Lab	44.9204, -13.0057, -7.3740

Details

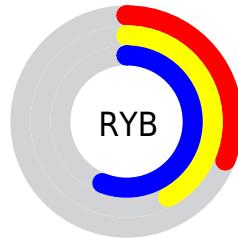
The XYZ color **16.5098, 20.1784, 29.4102** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.6545, 13.9765, 9.2178**, and the grayscale version is **17.0394, 17.9268, 19.5223**.

A 20% lighter version of the original color is **37.0577, 43.6807, 59.9041**, and **5.4386, 7.0494, 11.6637** is the 20% darker color. If you saturate the color by 10%, you get **15.0836, 18.9152, 29.2419**, and if you desaturate by 10%, it is **18.2060, 21.5953, 29.5946**.

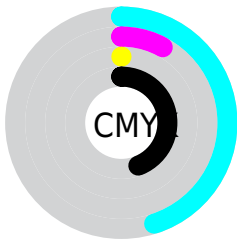
Distribution



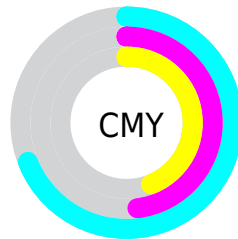
- Red (31%)
- Green (52%)
- Blue (56%)



- Red (31%)
- Yellow (42%)
- Blue (56%)



- Cyan (45%)
- Magenta (8%)
- Yellow (0%)
- Black (44%)



- Cyan (69%)
- Magenta (48%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5098, 20.1784, 29.4102 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 16.5098, 20.1784, 29.4102 by changing the saturation by 10% instead.

■ 16.5098, 20.1784,
29.4102

■ 16.5098, 20.1784,
29.4102

■ 225.5432,
252.8793, 313.2668

■ 9.9787, 12.5248,
19.1431

■ 37.0313, 43.7161,
59.7781

■ 5.4470, 7.1021,
11.5959

■ 51.7526, 60.3689,
80.7160

■ 2.5493, 3.5261,
6.3500

■ 69.9345, 80.7903,
106.0480

■ 0.9202, 1.4122,
2.9868

■ 91.9426, 105.3647,
136.1924

■ 0.0000, 0.2257,
1.0879

■ 118.1421,
134.4763, 171.5680

■ 0.0000, 0.0000,
0.0000

148.8985,

168.5097, 212.5933

184.5771,
207.8492, 259.6867

■ 16.5098, 20.1784,
29.4102

■ 16.5098, 20.1784,
29.4102

■ 15.0836, 18.9152,
29.2419

■ 18.2060, 21.5953,
29.5946

■ 13.9084, 17.7946,
29.0875

■ 20.1857, 23.1716,
29.7946

■ 12.9659, 16.8073,
28.9467

■ 22.4638, 24.9156,
30.0111

■ 12.2343, 15.9421,
28.8182

■ 25.0537, 26.8342,
30.2449

■ 11.6842, 15.1837,
28.7008

■ 27.9677, 28.9340,
30.4967

■ 11.4442, 14.8338,
28.6459

■ 31.2178, 31.2211,
30.7668

■ 34.8150, 33.7015,
31.0560

■ 38.7700, 36.3805,
31.3646

■ 43.0930, 39.2637,
31.6933

Harmonies

Analogous

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



15.7971, 20.1784, 23.8341



16.5098, 20.1784, 29.4102



17.9529, 20.1784, 33.3557

Triad

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



16.5098, 20.1784, 29.4102



22.8249, 20.1784, 25.7588



18.5529, 20.1784, 13.1838

Complementary

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



16.5098, 20.1784, 29.4102



16.6545, 13.9765, 9.2178

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.



20.4596, 20.1784, 13.5252



16.5098, 20.1784, 29.4102



23.0120, 20.1784, 20.2073

Square

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



16.5098, 20.1784, 29.4102



21.6258, 20.1784, 31.0178



22.1213, 20.1784, 15.9054



16.9240, 20.1784, 14.8800

Rectangle

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



16.5098, 20.1784, 29.4102



19.1768, 20.1784, 34.2001



22.1213, 20.1784, 15.9054



19.1812, 20.1784, 13.0717

Sweetspot

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



16.5104, 20.1792, 29.4107



39.9868, 44.2201, 52.9658



15.0830, 22.3631, 13.4010



8.9779, 9.9962, 12.1285



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.5104, 20.1792, 29.4107



26.6103, 33.3678, 51.5761



12.7764, 12.7112, 28.1660



5.4768, 5.9494, 6.8885



9.9814, 12.9487, 24.9504



0.1096, 0.1522, 0.2433

Inverse Universe

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



18.4630, 13.1879, 23.4030



30.6145, 19.8664, 39.0686



20.0481, 20.7639, 10.3490



5.5841, 5.4942, 6.5741



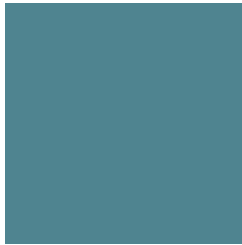
12.8413, 6.2935, 15.3472



0.1299, 0.0630, 0.1844

Previews

White Background



This preview shows how the XYZ color 16.5098, 20.1784, 29.4102 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 16.5098, 20.1784, 29.4102 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 16.5098, 20.1784, 29.4102

Background



This preview shows how black text looks on a background with the XYZ color 16.5098, 20.1784, 29.4102.



This preview shows how white text looks on a background with the XYZ color 16.5098, 20.1784,

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

16.5098, 20.1784, 29.4102

Protanopia

19.5556, 20.0658, 26.8872

Deuteranopia

20.3379, 20.0352, 29.9894



Tritanopia

16.4336, 20.1480, 29.0094

Trichromacy



Original Color

16.5098, 20.1784, 29.4102

Protanomaly

18.1383, 19.8793, 27.6920

Deuteranomaly

18.6288, 19.8997, 29.6472

Tritanomaly

16.4336, 20.1480, 29.0094

Monochromacy



Original Color

16.5098, 20.1784, 29.4102

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.6226, 18.6413, 22.8007

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5098, 20.1784, 29.4102 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(79, 132, 144)` looks like.

```
.text, #text, p{  
    color:rgb(79, 132, 144)  
}
```

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(79, 132, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 132, 144) }
```

Border

The CSS property to change the border of an element to XYZ 16.5098, 20.1784, 29.4102 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(79, 132, 144) }
```


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

```
.border{ border-color:rgb(79, 132, 144) }
```

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

Here you see how a box with a 4 pixel rgb(79, 132, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 132, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 132, 144);  
box-shadow:4px 4px 4px 4px rgb(79, 132,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5098, 20.1784, 29.4102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 132, 144) }
```

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

```
.background{ background-color: rgb(79, 132,  
144) }
```

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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