

Converting Colors

XYZ(16.1033, 16.9912, 28.8165)

Have a look what the booklet for
XYZ(16.1033, 16.9912, 28.8165)
contains.

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Color

**XYZ(16.1033, 16.9912,
28.8165)**

Conversions

Conversions Part 1

Format	Color
Hex	607490
RGB	96, 116, 144
RGB Percent	38%, 45%, 56%
CMY	0.6235, 0.5451, 0.4353
CMYK	0.33, 0.19, 0.00, 0.44
HSL	215°, 20%, 47%
HSV	215°, 33%, 56%
XYZ	16.1033, 16.9912, 28.8165
YIQ	113.2120, -20.9080, 4.4680

Conversions

Conversions Part 2

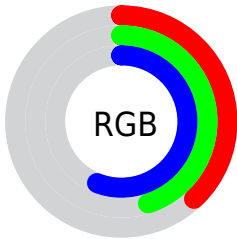
Format	Color
R_{YB}	96, 110, 144
Decimal	6321296
CIE _{Lab}	48.25, -0.27, -17.63
CIE _{LCh}	48, 17.635, 269.139
Y _{xy}	16.9912, 0.2601, 0.2744
Android (android.graphics.Color)	4284511376 (0xFF607490)
YUV	113.2120, 15.1785, -15.0949
Hunter-Lab	41.2204, -2.4022, -12.5944

Details

The XYZ color **16.1033, 16.9912, 28.8165** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **20.8209, 21.1894, 14.0594**, and the grayscale version is **15.7202, 16.5388, 18.0108**.

A 20% lighter version of the original color is **36.4084, 38.3784, 58.9149**, and **5.2598, 5.5467, 11.3831** is the 20% darker color. If you saturate the color by 10%, you get **13.8000, 14.4312, 28.4441**, and if you desaturate by 10%, it is **18.7728, 19.8708, 29.2319**.

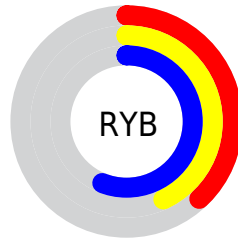
Distribution



Red (38%)

Green (45%)

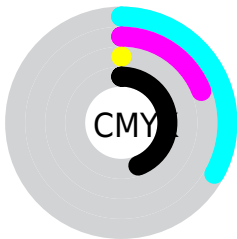
Blue (56%)



Red (38%)

Yellow (43%)

Blue (56%)

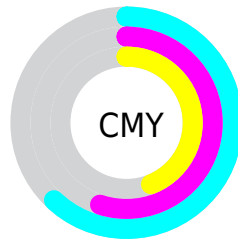


Cyan (33%)

Magenta (19%)

Yellow (0%)

Black (44%)



Cyan (62%)

Magenta (55%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1033, 16.9912, 28.8165 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 16.1033, 16.9912, 28.8165 by changing the saturation by 10% instead.

■ 16.1033, 16.9912,
28.8165

■ 16.1033, 16.9912,
28.8165

223.2089,
235.1217, 310.3820

■ 9.6886, 10.2282,
18.6977

■ 36.3334, 38.3106,
58.8241

■ 5.2537, 5.5505,
11.2774

■ 50.8796, 53.6359,
79.5500

■ 2.4331, 2.5738,
6.1372

■ 68.8669, 72.5840,
104.6486

■ 0.8617, 0.9135,
2.8586

■ 90.6608, 95.5394,
134.5385

■ 0.0000, 0.0000,
1.0229

116.6266,
122.8865, 169.6383

■ 0.0000, 0.0000,
0.0000

147.1296,

155.0096, 210.3664

182.5353,
192.2932, 257.1415

■ 16.1033, 16.9912,
28.8165

■ 16.1033, 16.9912,
28.8165

■ 13.8000, 14.4312,
28.4441

■ 18.7728, 19.8708,
29.2319

■ 11.8438, 12.1762,
28.1119

■ 21.8231, 23.0796,
29.6905

■ 10.2162, 10.2137,
27.8189

■ 25.2700, 26.6293,
30.1940

■ 8.8961, 8.5290,
27.5633

■ 29.1278, 30.5305,
30.7437

■ 7.8598, 7.1058,
27.3432

■ 33.4102, 34.7929,
31.3407

■ 7.0794, 5.9259,
27.1566

■ 38.1300, 39.4263,
31.9863

■ 6.6501, 5.2457,
27.0479

■ 43.2997, 44.4399,
32.6815

■ 48.9311, 49.8423,
33.4275

■ 55.0358, 55.6424,
34.2253

Harmonies

Analogous

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



14.6181, 16.9912, 27.1692



16.1033, 16.9912, 28.8165



17.6990, 16.9912, 27.3411

Triad

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



16.1033, 16.9912, 28.8165



18.9971, 16.9912, 14.5230



13.6433, 16.9912, 14.3281

Complementary

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



16.1033, 16.9912, 28.8165



20.8209, 21.1894, 14.0594

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.



14.6934, 16.9912, 11.8063



16.1033, 16.9912, 28.8165



17.7845, 16.9912, 11.9050

Square

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



16.1033, 16.9912, 28.8165



19.4351, 16.9912, 18.6336



16.1960, 16.9912, 10.9973



13.2570, 16.9912, 18.3680

Rectangle

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



16.1033, 16.9912, 28.8165



18.5972, 16.9912, 24.9043



16.1960, 16.9912, 10.9973



13.9268, 16.9912, 13.3010

Sweetspot

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



16.1038, 16.9919, 28.8169



40.3153, 42.5990, 52.6356



18.3852, 23.8688, 22.4432



9.0748, 9.5925, 12.0455



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.



16.1038, 16.9919, 28.8169



25.3015, 26.5358, 50.3264



14.3848, 13.0438, 28.1454



5.3027, 5.6011, 6.8304



5.8132, 4.6125, 23.5610



0.0765, 0.0860, 0.2322

Inverse Universe

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



18.8373, 15.5565, 18.5336



30.9826, 23.9525, 28.8644



23.0355, 26.4366, 14.9555



5.4963, 5.4590, 6.1113



10.7374, 5.4520, 4.2683



0.1132, 0.0564, 0.0964

Previews

White Background



This preview shows how the XYZ color 16.1033, 16.9912, 28.8165 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 16.1033, 16.9912, 28.8165 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

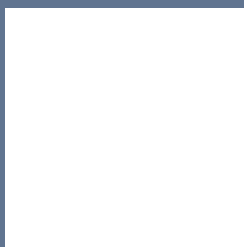
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.1033, 16.9912, 28.8165

Background



This preview shows how black text looks on a background with the XYZ color 16.1033, 16.9912, 28.8165.



This preview shows how white text looks on a background with the XYZ color 16.1033, 16.9912,

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

16.1033, 16.9912, 28.8165

Protanopia

16.8510, 16.8890, 27.9630

Deuteranopia

17.3354, 16.9477, 29.1456



Tritanopia

14.9067, 17.0275, 22.9230

Trichromacy



Original Color

16.1033, 16.9912, 28.8165

Protanomaly

16.5688, 16.9014, 28.3756

Deuteranomaly

16.8417, 16.8578, 29.1543

Tritanomaly

15.2957, 17.0053, 25.0304

Monochromacy



Original Color

16.1033, 16.9912, 28.8165

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.7188, 16.6157, 21.4475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1033, 16.9912, 28.8165 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(96, 116, 144) looks like.

```
.text, #text, p{  
    color:rgb(96, 116, 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(96, 116, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 116, 144) }
```

Border

The CSS property to change the border of an element to XYZ 16.1033, 16.9912, 28.8165 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(96, 116, 144) }
```


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

```
.border{ border-color:rgb(96, 116, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 116, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 116, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 116, 144);  
box-shadow:4px 4px 4px 4px rgb(96, 116,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1033, 16.9912, 28.8165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 116, 144) }
```

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

```
.background{ background-color: rgb(96, 116,  
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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