

Converting Colors

XYZ(16.9060, 18.5365, 28.9357)

Have a look what the booklet for
XYZ(16.9060, 18.5365, 28.9357)
contains.

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Color

**XYZ(16.9233, 18.4741,
29.0595)**

Conversions

Conversions Part 1

Format	Color
Hex	617A90
RGB	97, 122, 144
RGB Percent	38%, 48%, 56%
CMY	0.6196, 0.5216, 0.4353
CMYK	0.33, 0.15, 0.00, 0.44
HSL	208°, 20%, 47%
HSV	208°, 33%, 56%
XYZ	16.9233, 18.4741, 29.0595
YIQ	117.0330, -21.9620, 1.5420

Conversions

Conversions Part 2

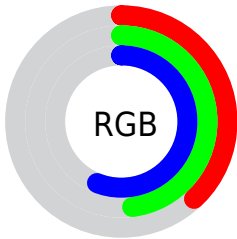
Format	Color
R_{YB}	97, 113, 144
Decimal	6388368
CIE _{Lab}	50.07, -3.48, -14.86
CIE _{LCh}	50, 15.262, 256.822
Yxy	18.4741, 0.2626, 0.2866
Android (android.graphics.Color)	4284578448 (0xFF617A90)
YUV	117.0330, 13.2947, -17.5689
Hunter-Lab	42.9815, -4.9360, -9.9985

Details

The XYZ color **16.9233, 18.4741, 29.0595** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.2563, 19.9860, 14.0997**, and the grayscale version is **16.8842, 17.7635, 19.3444**.

A 20% lighter version of the original color is **37.7235, 40.7389, 59.3012**, and **5.6218, 6.2016, 11.4904** is the 20% darker color. If you saturate the color by 10%, you get **14.7270, 16.1560, 28.7281**, and if you desaturate by 10%, it is **19.4567, 21.0521, 29.4239**.

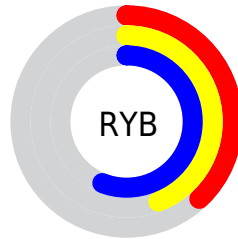
Distribution



Red (38%)

Green (48%)

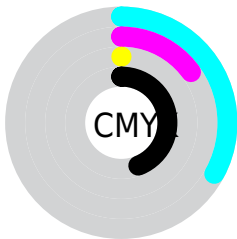
Blue (56%)



Red (38%)

Yellow (44%)

Blue (56%)

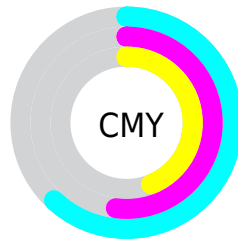


Cyan (33%)

Magenta (15%)

Yellow (0%)

Black (44%)



Cyan (62%)

Magenta (52%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9233, 18.4741, 29.0595 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 16.9233, 18.4741, 29.0595 by changing the saturation by 10% instead.

■ 16.9233, 18.4741,
29.0595

■ 16.9233, 18.4741,
29.0595

227.8949,
243.5299, 311.5653

■ 10.2748, 11.2909,
18.8799

■ 37.7385, 40.8435,
59.2149

■ 5.6452, 6.2629,
11.4076

■ 52.6359, 56.7986,
80.0278

■ 2.6692, 3.0056,
6.2241

■ 71.0136, 76.4463,
105.2222

■ 0.9813, 1.1346,
2.9108

■ 93.2371, 100.1712,
135.2166

■ 0.0000, 0.0073,
1.0493

119.6716,
128.3576, 170.4295

■ 0.0000, 0.0000,
0.0000

150.6824,

161.3899, 211.2796

186.6351,
199.6526, 258.1854

■ 16.9233, 18.4741,
29.0595

■ 16.9233, 18.4741,
29.0595

■ 14.7270, 16.1560,
28.7281

■ 19.4567, 21.0521,
29.4239

■ 12.8499, 14.0855,
28.4274

■ 22.3405, 23.8971,
29.8210

■ 11.2748, 12.2525,
28.1566

■ 25.5895, 27.0189,
30.2524

■ 9.9821, 10.6450,
27.9145

■ 29.2169, 30.4259,
30.7188

■ 8.9497, 9.2496,
27.6996

■ 33.2353, 34.1261,
31.2212

■ 8.1513, 8.0509,
27.5103

■ 37.6567, 38.1272,
31.7605

■ 7.6602, 7.2657,
27.3846

■ 42.4926, 42.4364,
32.3374

■ 47.7539, 47.0611,
32.9527

■ 53.4513, 52.0078,
33.6072

Harmonies

Analogous

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



15.6972, 18.4741, 26.6063



16.9233, 18.4741, 29.0595



18.3889, 18.4741, 28.8897

Triad

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



16.9233, 18.4741, 29.0595



20.4025, 18.4741, 17.8647



15.5797, 18.4741, 15.0743

Complementary

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



16.9233, 18.4741, 29.0595



20.2563, 19.9860, 14.0997

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.



16.7546, 18.4741, 13.3258



16.9233, 18.4741, 29.0595



19.5626, 18.4741, 14.7762

Square

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



16.9233, 18.4741, 29.0595



20.4539, 18.4741, 22.0153



18.2106, 18.4741, 13.2249



14.9511, 18.4741, 18.3276

Rectangle

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



16.9233, 18.4741, 29.0595



19.3061, 18.4741, 27.3066



18.2106, 18.4741, 13.2249



15.9208, 18.4741, 14.3121

Sweetspot

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



16.9239, 18.4748, 29.0599



40.7371, 43.4427, 52.7762



18.2291, 23.8186, 21.0688



9.1825, 9.8079, 12.0814



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.



16.9239, 18.4748, 29.0599



27.0160, 29.6107, 50.8296



14.3850, 13.3971, 28.2136



5.3522, 5.7001, 6.8469



6.6942, 6.3744, 23.8546



0.0861, 0.1051, 0.2354

Inverse Universe

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



19.2896, 15.8842, 20.4625



31.9345, 24.6642, 32.8564



23.3972, 26.2679, 15.1466



5.5212, 5.4690, 6.2428



11.1820, 5.6298, 6.6099



0.1181, 0.0583, 0.1219

Previews

White Background



This preview shows how the XYZ color 16.9233, 18.4741, 29.0595 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 16.9233, 18.4741, 29.0595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

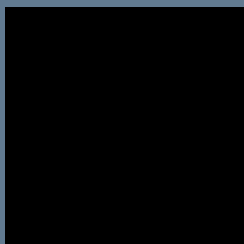
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

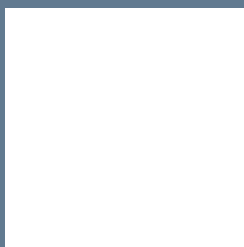
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.9233, 18.4741, 29.0595

Background



This preview shows how black text looks on a background with the XYZ color 16.9233, 18.4741, 29.0595.



This preview shows how white text looks on a background with the XYZ color 16.9233, 18.4741,

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

16.9233, 18.4741, 29.0595

Protanopia

18.2256, 18.4574, 27.8013

Deuteranopia

18.6923, 18.3170, 29.3384



Tritanopia

16.2300, 18.5694, 25.2831

Trichromacy



Original Color

16.9233, 18.4741, 29.0595

Protanomaly

17.6637, 18.3348, 28.1992

Deuteranomaly

18.0197, 18.3162, 29.3737

Tritanomaly

16.4943, 18.4877, 26.7439

Monochromacy



Original Color

16.9233, 18.4741, 29.0595

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.8580, 18.0410, 22.6724

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9233, 18.4741, 29.0595 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(97, 122, 144)` looks like.

```
.text, #text, p{  
    color:rgb(97, 122, 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(97, 122, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 122, 144) }
```

Border

The CSS property to change the border of an element to XYZ 16.9233, 18.4741, 29.0595 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(97, 122, 144) }
```


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

```
.border{ border-color:rgb(97, 122, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 122, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 122, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 122, 144);  
box-shadow:4px 4px 4px 4px rgb(97, 122,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9233, 18.4741, 29.0595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 122, 144) }
```

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

```
.background{ background-color: rgb(97, 122,  
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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