

Converting Colors

XYZ(16.2051, 18.0060, 20.3123)

Have a look what the booklet for
XYZ(16.2051, 18.0060, 20.3123)
contains.

XYZ(16.1700, 17.9148, 20.3750)	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(16.1700, 17.9148,
20.3750)**

Conversions

Conversions Part 1

Format	Color
Hex	6B7878
RGB	107, 120, 120
RGB Percent	42%, 47%, 47%
CMY	0.5804, 0.5294, 0.5294
CMYK	0.11, 0.00, 0.00, 0.53
HSL	180°, 6%, 45%
HSV	180°, 11%, 47%
XYZ	16.1700, 17.9148, 20.3750
YIQ	116.1130, -7.7480, -2.7560

Conversions

Conversions Part 2

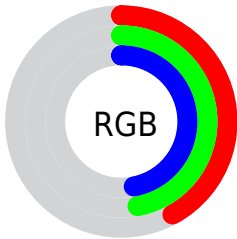
Format	Color
R_{YB}	107, 114, 120
Decimal	7043192
CIE _{Lab}	49.39, -4.81, -1.65
CIE _{LCh}	49, 5.088, 198.919
Yxy	17.9148, 0.2969, 0.3290
Android (android.graphics.Color)	4285233272 (0xFF6B7878)
YUV	116.1130, 1.9163, -7.9921
Hunter-Lab	42.3259, -5.8769, 1.0869

Details

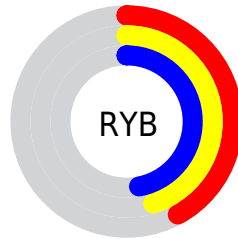
The XYZ color **16.1700, 17.9148, 20.3750** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.6578, 15.5704, 16.0907**, and the grayscale version is **16.6315, 17.4976, 19.0549**.

A 20% lighter version of the original color is **36.2995, 39.7527, 44.7896**, and **5.3505, 6.0633, 7.0192** is the 20% darker color. If you saturate the color by 10%, you get **14.8263, 17.2226, 20.3120**, and if you desaturate by 10%, it is **17.7150, 18.7118, 20.4482**.

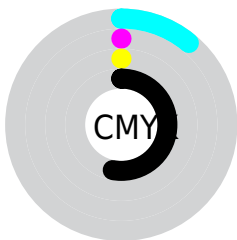
Distribution



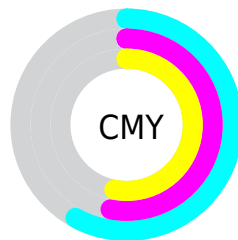
- Red (42%)
- Green (47%)
- Blue (47%)



- Red (42%)
- Yellow (45%)
- Blue (47%)



- Cyan (11%)
- Magenta (0%)
- Yellow (0%)
- Black (53%)



- Cyan (58%)
- Magenta (53%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1700, 17.9148, 20.3750 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 16.1700, 17.9148, 20.3750 by changing the saturation by 10% instead.

■ 16.1700, 17.9148,
20.3750

■ 16.1700, 17.9148,
20.3750

223.5935,
240.3904, 266.6091

■ 9.7361, 10.8888,
12.4811

■ 36.4481, 39.8921,
44.9122

■ 5.2853, 5.9921,
6.9458

■ 51.0231, 55.6122,
62.3927

■ 2.4521, 2.8403,
3.3503

■ 69.0426, 74.9992,
83.9057

■ 0.8712, 1.0489,
1.2761

■ 90.8718, 98.4374,
109.8699

■ 0.0000, 0.0000,
0.0421

116.8761,
126.3112, 140.7038

■ 0.0000, 0.0000,
0.0000

147.4209,

159.0050, 176.8260

182.8716,
196.9033, 218.6549

■ 16.1700, 17.9148,
20.3750

■ 16.1700, 17.9148,
20.3750

■ 14.8263, 17.2226,
20.3120

■ 17.7150, 18.7118,
20.4482

■ 13.6741, 16.6286,
20.2575

■ 19.4675, 19.6152,
20.5307

■ 12.7052, 16.1292,
20.2116

■ 21.4353, 20.6296,
20.6234

■ 11.9102, 15.7193,
20.1739

■ 23.6253, 21.7586,
20.7264

■ 11.2788, 15.3938,
20.1438

■ 26.0443, 23.0056,
20.8401

■ 10.7995, 15.1468,
20.1209

■ 28.6986, 24.3739,
20.9649

■ 10.4596, 14.9716,
20.1044

■ 31.5943, 25.8667,
21.1009

■ 10.2442, 14.8605,
20.0938

■ 34.7372, 27.4869,
21.2485

■ 10.1061, 14.7894,
20.0869

■ 38.1332, 29.2376,
21.4080

Harmonies

Analogous

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



16.1385, 17.9148, 19.0030



16.1700, 17.9148, 20.3750



16.4287, 17.9148, 21.5653

Triad

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



16.1700, 17.9148, 20.3750



17.7320, 17.9148, 21.2935



17.2053, 17.9148, 17.0276

Complementary

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



16.1700, 17.9148, 20.3750



15.6578, 15.5704, 16.0907

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.



17.6406, 17.9148, 17.5825



16.1700, 17.9148, 20.3750



17.9485, 17.9148, 20.0181

Square

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



16.1700, 17.9148, 20.3750



17.3282, 17.9148, 22.1125



17.9148, 17.9148, 18.6624



16.7303, 17.9148, 17.1131

Rectangle

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



16.1700, 17.9148, 20.3750



16.6980, 17.9148, 22.0755



17.9148, 17.9148, 18.6624



17.3613, 17.9148, 17.1444

Sweetspot

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



16.1705, 17.9156, 20.3754



30.5166, 32.5794, 35.9328



15.4602, 17.6345, 16.4990



7.1843, 7.6963, 8.5135



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



16.1705, 17.9156, 20.3754



27.8202, 31.1894, 35.8057



15.4394, 16.4532, 20.1322



4.1071, 4.5124, 5.0976



11.0247, 16.1335, 21.9125



52.5884, 76.9584, 104.5234

Inverse Universe

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



15.6578, 15.5704, 16.0907



26.7298, 26.2015, 26.6927



16.3370, 16.9288, 16.3166



3.9983, 4.0151, 4.1888



8.4502, 4.3562, 0.3960



40.3082, 20.7796, 1.8874

Previews

White Background



This preview shows how the XYZ color 16.1700, 17.9148, 20.3750 looks on a white background.

Color Contrast Check

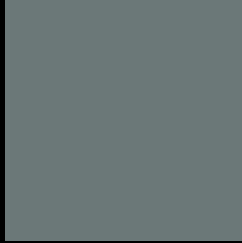
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1700, 17.9148, 20.3750 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

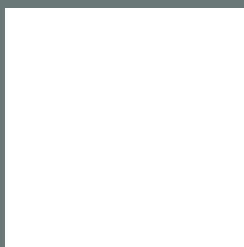
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.1700, 17.9148, 20.3750

Background



This preview shows how black text looks on a background with the XYZ color 16.1700, 17.9148, 20.3750.



This preview shows how white text looks on a background with the XYZ color 16.1700, 17.9148,

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

16.1700, 17.9148, 20.3750

Protanopia

17.2391, 17.9525, 19.6961

Deuteranopia

18.2209, 17.9271, 20.5891



Tritanopia

16.6774, 17.9403, 23.0059

Trichromacy



Original Color

16.1700, 17.9148, 20.3750

Protanomaly

16.8784, 17.9336, 20.0247

Deuteranomaly

17.4423, 17.8643, 20.6180

Tritanomaly

16.4828, 17.8625, 21.9811

Monochromacy



Original Color

16.1700, 17.9148, 20.3750

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.3822, 17.5176, 19.3474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1700, 17.9148, 20.3750 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(107, 120, 120)` looks like.

```
.text, #text, p{  
    color:rgb(107, 120, 120)  
}
```

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(107, 120, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 120, 120) }
```

Border

The CSS property to change the border of an element to XYZ 16.1700, 17.9148, 20.3750 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(107, 120, 120) }
```


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

```
.border{ border-color:rgb(107, 120, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 120, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 120, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 120, 120);  
box-shadow:4px 4px 4px 4px rgb(107, 120,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1700, 17.9148, 20.3750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 120, 120) }
```

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

```
.background{ background-color: rgb(107,  
120, 120) }
```

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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