

Converting Colors

XYZ(16.9106, 18.1103, 20.0306)

Have a look what the booklet for
XYZ(16.9106, 18.1103, 20.0306)
contains.

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Color

**XYZ(16.8660, 18.1030,
20.0581)**

Conversions

Conversions Part 1

Format	Color
Hex	727777
RGB	114, 119, 119
RGB Percent	45%, 47%, 47%
CMY	0.5529, 0.5333, 0.5333
CMYK	0.04, 0.00, 0.00, 0.53
HSL	180°, 2%, 46%
HSV	180°, 4%, 47%
XYZ	16.8660, 18.1030, 20.0581
YIQ	117.5050, -2.9800, -1.0600

Conversions

Conversions Part 2

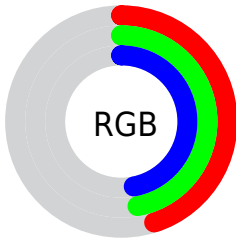
Format	Color
R_{YB}	114, 117, 119
Decimal	7501687
CIE _{Lab}	49.62, -1.88, -0.66
CIE _{LCh}	50, 1.990, 199.371
Yxy	18.1030, 0.3065, 0.3290
Android (android.graphics.Color)	4285691767 (0xFF727777)
YUV	117.5050, 0.7370, -3.0739
Hunter-Lab	42.5476, -3.7004, 1.8324

Details

The XYZ color **16.8660, 18.1030, 20.0581** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.6629, 17.1718, 18.3566**, and the grayscale version is **17.0642, 17.9529, 19.5507**.

A 20% lighter version of the original color is **37.6395, 40.1731, 44.2984**, and **5.6373, 6.1197, 6.8453** is the 20% darker color. If you saturate the color by 10%, you get **15.4176, 17.3568, 19.9891**, and if you desaturate by 10%, it is **18.5169, 18.9545, 20.1373**.

Distribution



Red (45%)

Green (47%)

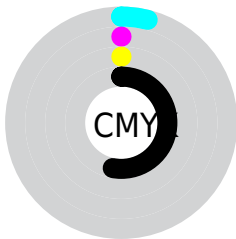
Blue (47%)



Red (45%)

Yellow (46%)

Blue (47%)

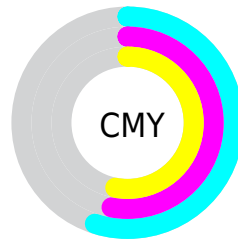


Cyan (4%)

Magenta (0%)

Yellow (0%)

Black (53%)



Cyan (55%)

Magenta (53%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8660, 18.1030, 20.0581 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 16.8660, 18.1030, 20.0581 by changing the saturation by 10% instead.

■ 16.8660, 18.1030,
20.0581

■ 16.8660, 18.1030,
20.0581

227.5703,
241.4510, 264.8441

■ 10.2337, 11.0240,
12.2528

■ 37.6407, 40.2128,
44.3748

■ 5.6176, 6.0830,
6.7915

■ 52.5138, 56.0123,
61.7233

■ 2.6524, 2.8956,
3.2556

■ 70.8645, 75.4874,
83.0899

■ 0.9728, 1.0775,
1.2266

■ 93.0582, 99.0225,
108.8933

■ 0.0000, 0.0000,
0.0004

119.4603,
127.0020, 139.5518

■ 0.0000, 0.0000,
0.0000

150.4361,

159.8104, 175.4841

186.3510,
197.8319, 217.1087

■ 16.8660, 18.1030,
20.0581

■ 16.8660, 18.1030,
20.0581

■ 15.4176, 17.3568,
19.9891

■ 18.5169, 18.9545,
20.1373

■ 14.1623, 16.7098,
19.9287

■ 20.3760, 19.9129,
20.2259

■ 13.0926, 16.1583,
19.8771

■ 22.4507, 20.9824,
20.3246

■ 12.1996, 15.6980,
19.8337

■ 24.7478, 22.1666,
20.4337

■ 11.4737, 15.3239,
19.7981

■ 27.2734, 23.4685,
20.5535

■ 10.9047, 15.0306,
19.7699

■ 30.0337, 24.8915,
20.6843

■ 10.4809, 14.8121,
19.7484

■ 33.0345, 26.4384,
20.8264

■ 10.1892, 14.6618,
19.7332

■ 36.2814, 28.1122,
20.9799

■ 10.0106, 14.5697,
19.7232

■ 39.7800, 29.9158,
21.1453

Harmonies

Analogous

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



16.8519, 18.1030, 19.5199



16.8660, 18.1030, 20.0581



16.9709, 18.1030, 20.5111

Triad

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



16.8660, 18.1030, 20.0581



17.4835, 18.1030, 20.3962



17.2734, 18.1030, 18.7064

Complementary

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



16.8660, 18.1030, 20.0581



16.6629, 17.1718, 18.3566

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.



17.4439, 18.1030, 18.9322



16.8660, 18.1030, 20.0581



17.5658, 18.1030, 19.9036

Square

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



16.8660, 18.1030, 20.0581



17.3271, 18.1030, 20.7087



17.5513, 18.1030, 19.3681



17.0862, 18.1030, 18.7460

Rectangle

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



16.8660, 18.1030, 20.0581



17.0787, 18.1030, 20.7006



17.5513, 18.1030, 19.3681



17.3346, 18.1030, 18.7536

Sweetspot

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



16.8665, 18.1038, 20.0585



31.1011, 32.8807, 35.9602



16.5848, 17.9923, 18.5185



7.3759, 7.7951, 8.5225



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.



16.8665, 18.1038, 20.0585



29.9471, 32.2859, 35.9050



16.5825, 17.5355, 19.9645



3.9091, 4.2201, 4.6986



10.5432, 15.4313, 20.9483



51.3774, 75.1982, 102.0789

Inverse Universe

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



16.6629, 17.1718, 18.3566



29.5052, 30.2626, 32.2102



16.9392, 17.7245, 18.4481



3.8481, 3.9411, 4.1890



8.0831, 4.1670, 0.3798



39.3891, 20.3058, 1.8464

Previews

White Background



This preview shows how the XYZ color 16.8660, 18.1030, 20.0581 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 16.8660, 18.1030, 20.0581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

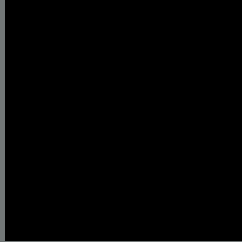
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

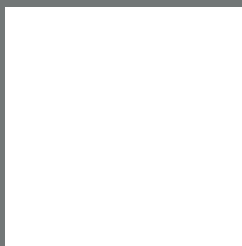
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.8660, 18.1030, 20.0581

Background



This preview shows how black text looks on a background with the XYZ color 16.8660, 18.1030, 20.0581.



This preview shows how white text looks on a background with the XYZ color 16.8660, 18.1030,

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

16.8660, 18.1030, 20.0581

Protanopia

17.3770, 18.0237, 19.7026

Deuteranopia

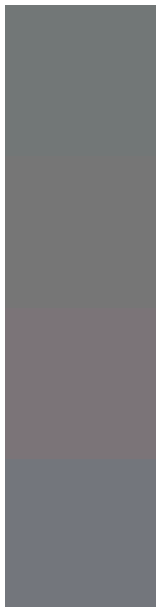
18.3096, 17.9799, 20.2747



Tritanopia

17.3794, 18.1340, 22.6629

Trichromacy



Original Color

16.8660, 18.1030, 20.0581

Protanomaly

17.2197, 18.1164, 19.7288

Deuteranomaly

17.8039, 18.0578, 20.3164

Tritanomaly

17.1868, 18.0569, 21.6483

Monochromacy



Original Color

16.8660, 18.1030, 20.0581

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.0846, 18.0468, 19.7225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8660, 18.1030, 20.0581 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(114, 119, 119)` looks like.

```
.text, #text, p{  
    color:rgb(114, 119, 119)  
}
```

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(114, 119, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 119, 119) }
```

Border

The CSS property to change the border of an element to XYZ 16.8660, 18.1030, 20.0581 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(114, 119, 119) }
```


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

```
.border{ border-color:rgb(114, 119, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 119, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 119, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 119, 119);  
box-shadow:4px 4px 4px 4px rgb(114, 119,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8660, 18.1030, 20.0581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 119, 119) }
```

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

```
.background{ background-color: rgb(114,  
119, 119) }
```

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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