

Converting Colors

XYZ(16.2178, 17.8396, 18.0780)

Have a look what the booklet for
XYZ(16.2178, 17.8396, 18.0780)
contains.

XYZ(16.2596, 17.8307, 18.2075)	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(16.2596, 17.8307,
18.2075)**

Conversions

Conversions Part 1

Format	Color
Hex	707771
RGB	112, 119, 113
RGB Percent	44%, 47%, 44%
CMY	0.5608, 0.5333, 0.5569
CMYK	0.06, 0.00, 0.05, 0.53
HSL	129°, 3%, 45%
HSV	129°, 6%, 47%
XYZ	16.2596, 17.8307, 18.2075
YIQ	116.2230, -2.2460, -3.3500

Conversions

Conversions Part 2

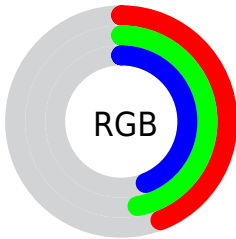
Format	Color
R_{YB}	112, 118, 119
Decimal	7370609
CIE _{Lab}	49.29, -3.86, 2.38
CIE _{LCh}	49, 4.537, 148.314
Yxy	17.8307, 0.3109, 0.3409
Android (android.graphics.Color)	4285560689 (0xFF707771)
YUV	116.2230, -1.5889, -3.7036
Hunter-Lab	42.2264, -5.1634, 3.9934

Details

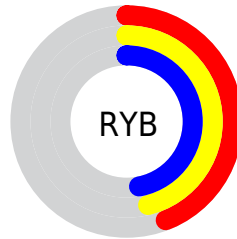
The XYZ color **16.2596, 17.8307, 18.2075** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.6726, 16.8188, 19.5081**, and the grayscale version is **16.6745, 17.5429, 19.1042**.

A 20% lighter version of the original color is **36.6643, 39.7349, 41.3345**, and **5.3217, 5.9781, 5.8744** is the 20% darker color. If you saturate the color by 10%, you get **14.3020, 16.8847, 15.2847**, and if you desaturate by 10%, it is **18.4829, 18.9072, 21.4805**.

Distribution



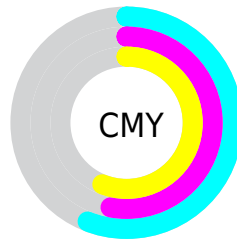
- Red (44%)
- Green (47%)
- Blue (44%)



- Red (44%)
- Yellow (46%)
- Blue (47%)



- Cyan (6%)
- Magenta (0%)
- Yellow (5%)
- Black (53%)



- Cyan (56%)
- Magenta (53%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2596, 17.8307, 18.2075 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 16.2596, 17.8307, 18.2075 by changing the saturation by 10% instead.

■ 16.2596, 17.8307,
18.2075

■ 16.2596, 17.8307,
18.2075

224.1091,
239.9150, 254.3133

■ 9.8001, 10.8285,
10.9281

■ 36.6021, 39.7486,
41.2093

■ 5.3278, 5.9516,
5.9049

■ 51.2158, 55.4332,
57.7687

■ 2.4776, 2.8157,
2.7195

■ 69.2782, 74.7806,
78.2586

■ 0.8840, 1.0363,
0.9532

■ 91.1548, 98.1753,
103.0975

■ 0.0000, 0.0000,
0.0000

117.2108,
126.0017, 132.7038

147.8116,

158.6442, 167.4962

183.3226,
196.4872, 207.8932

■ 16.2596, 17.8307,
18.2075

■ 16.2596, 17.8307,
18.2075

■ 14.3020, 16.8847,
15.2847

■ 18.4829, 18.9072,
21.4805

■ 12.5988, 16.0621,
12.6994

■ 20.9799, 20.1166,
25.1135

■ 11.1398, 15.3585,
10.4397

■ 23.7598, 21.4640,
29.1176

■ 9.9138, 14.7683,
8.4928

■ 26.8314, 22.9536,
33.5027

■ 8.9086, 14.2855,
6.8448

■ 30.2027, 24.5894,
38.2787

■ 8.1110, 13.9037,
5.4810

■ 33.8817, 26.3752,
43.4548

■ 7.5061, 13.6155,
4.3852

■ 37.8757, 28.3147,
49.0402

■ 7.0773, 13.4127,
3.5397

■ 42.1922, 30.4115,
55.0436

■ 6.7957, 13.2808,
2.9242

■ 46.8381, 32.6691,
61.4734

Harmonies

Analogous

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



16.5618, 17.8307, 17.4205



16.2596, 17.8307, 18.2075



16.1414, 17.8307, 19.3456

Triad

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



16.2596, 17.8307, 18.2075



16.9234, 17.8307, 21.8568



17.6794, 17.8307, 18.3224

Complementary

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



16.2596, 17.8307, 18.2075



16.6726, 16.8188, 19.5081

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.



17.7801, 17.8307, 19.4838



16.2596, 17.8307, 18.2075



17.3393, 17.8307, 21.5554

Square

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



16.2596, 17.8307, 18.2075



16.5206, 17.8307, 21.4814



17.6546, 17.8307, 20.6739



17.3817, 17.8307, 17.4848

Rectangle

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



16.2596, 17.8307, 18.2075



16.1813, 17.8307, 20.1616



17.6546, 17.8307, 20.6739



17.7376, 17.8307, 18.6863

Sweetspot

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



16.2601, 17.8315, 18.2079



30.5844, 32.6401, 34.7747



17.0025, 18.2207, 17.9503



7.2624, 7.7422, 8.2621



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.



16.2601, 17.8315, 18.2079



28.6357, 31.6973, 31.8914



16.4572, 17.9103, 19.2458



3.7458, 4.1475, 4.1710



7.1137, 14.0595, 2.8890



34.4682, 68.4346, 13.0368

Inverse Universe

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



16.6726, 16.8188, 19.5081



29.5294, 29.5035, 34.7080



16.4722, 16.7386, 18.4524



3.8634, 3.8589, 4.5415



10.6285, 5.1851, 13.7837



51.5531, 25.1714, 65.9014

Previews

White Background



This preview shows how the XYZ color 16.2596, 17.8307, 18.2075 looks on a white background.

Color Contrast Check

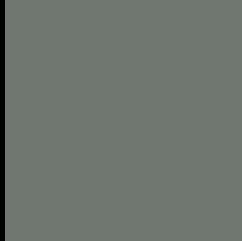
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2596, 17.8307, 18.2075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

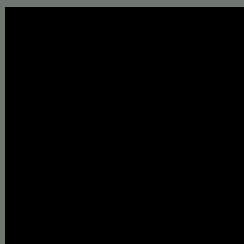
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

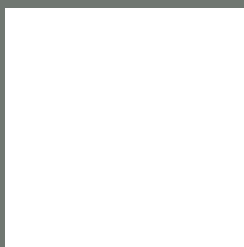
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.2596, 17.8307, 18.2075

Background



This preview shows how black text looks on a background with the XYZ color 16.2596, 17.8307, 18.2075.

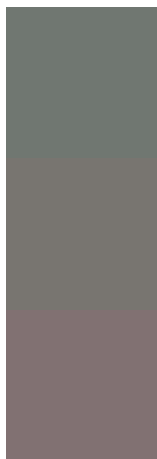


This preview shows how white text looks on a background with the XYZ color 16.2596, 17.8307,

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

16.2596, 17.8307, 18.2075

Protanopia

17.0316, 17.8855, 17.8838

Deuteranopia

17.9957, 17.6923, 18.3861



Tritanopia

17.0666, 17.8063, 22.2761

Trichromacy



Original Color

16.2596, 17.8307, 18.2075

Protanomaly

16.7392, 17.9086, 17.9037

Deuteranomaly

17.3364, 17.6873, 18.4199

Tritanomaly

16.7397, 17.8481, 20.6519

Monochromacy



Original Color

16.2596, 17.8307, 18.2075

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.5260, 17.6052, 18.7468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2596, 17.8307, 18.2075 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(112, 119, 113)` looks like.

```
.text, #text, p{  
    color:rgb(112, 119, 113)  
}
```

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(112, 119, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 119, 113) }
```

Border

The CSS property to change the border of an element to XYZ 16.2596, 17.8307, 18.2075 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(112, 119, 113) }
```


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

```
.border{ border-color:rgb(112, 119, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 119, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 119, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 119, 113);  
box-shadow:4px 4px 4px 4px rgb(112, 119,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2596, 17.8307, 18.2075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 119, 113) }
```

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

```
.background{ background-color: rgb(112,  
119, 113) }
```

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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