

Converting Colors

XYZ(16.2307, 18.9305, 20.0619)

Have a look what the booklet for
XYZ(16.2307, 18.9305, 20.0619)
contains.

XYZ(16.1971, 18.8588, 19.9260)	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(16.1971, 18.8588,
19.9260)**

Conversions

Conversions Part 1

Format	Color
Hex	677D76
RGB	103, 125, 118
RGB Percent	40%, 49%, 46%
CMY	0.5961, 0.5098, 0.5373
CMYK	0.18, 0.00, 0.06, 0.51
HSL	161°, 10%, 45%
HSV	161°, 18%, 49%
XYZ	16.1971, 18.8588, 19.9260
YIQ	117.6240, -10.8650, -6.8410

Conversions

Conversions Part 2

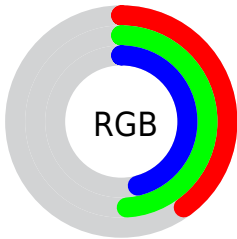
Format	Color
RYB	103, 116, 125
Decimal	6782326
CIELab	50.52, -9.52, 1.14
CIElCh	51, 9.593, 173.155
Yxy	18.8588, 0.2946, 0.3430
Android (android.graphics.Color)	4284972406 (0xFF677D76)
YUV	117.6240, 0.1854, -12.8252
Hunter-Lab	43.4267, -9.4206, 3.1940

Details

The XYZ color **16.1971, 18.8588, 19.9260** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.1228, 15.1866, 16.8341**, and the grayscale version is **17.1047, 17.9955, 19.5971**.

A 20% lighter version of the original color is **36.5025, 41.6131, 44.1385**, and **5.3208, 6.4518, 6.7592** is the 20% darker color. If you saturate the color by 10%, you get **14.6378, 18.0822, 18.6452**, and if you desaturate by 10%, it is **17.9818, 19.7515, 21.2702**.

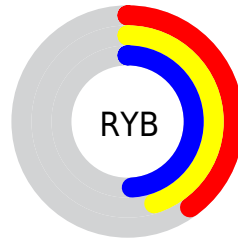
Distribution



Red (40%)

Green (49%)

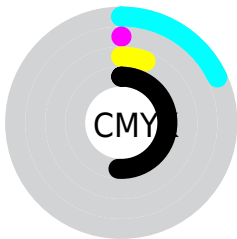
Blue (46%)



Red (40%)

Yellow (45%)

Blue (49%)

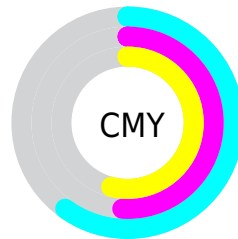


Cyan (18%)

Magenta (0%)

Yellow (6%)

Black (51%)



Cyan (60%)

Magenta (51%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1971, 18.8588, 19.9260 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 16.1971, 18.8588, 19.9260 by changing the saturation by 10% instead.

■ 16.1971, 18.8588,
19.9260

■ 16.1971, 18.8588,
19.9260

223.7496,
245.6681, 264.1052

■ 9.7555, 11.5683,
12.1577

■ 36.4947, 41.4954,
44.1504

■ 5.2981, 6.4504,
6.7273

■ 51.0814, 57.6102,
61.4436

■ 2.4598, 3.1209,
3.2163

■ 69.1139, 77.4353,
82.7489

■ 0.8750, 1.1952,
1.2061

■ 90.9574, 101.3550,
108.4848

■ 0.0000, 0.0577,
0.0000

116.9774,
129.7538, 139.0698

■ 0.0000, 0.0000,
0.0000

147.5392,

163.0160, 174.9226

183.0081,
201.5259, 216.4615

■ 16.1971, 18.8588,
19.9260

■ 16.1971, 18.8588,
19.9260

■ 14.6378, 18.0822,
18.6452

■ 17.9818, 19.7515,
21.2702

■ 13.2928, 17.4144,
17.4254

■ 19.9994, 20.7625,
22.6776

■ 12.1522, 16.8509,
16.2660

■ 22.2588, 21.8970,
24.1496

■ 11.2048, 16.3859,
15.1658

■ 24.7682, 23.1592,
25.6872

■ 10.4384, 16.0131,
14.1235

■ 27.5352, 24.5530,
27.2913

■ 9.8392, 15.7254,
13.1377

■ 30.5672, 26.0823,
28.9629

■ 9.3913, 15.5146,
12.2072

■ 33.8713, 27.7505,
30.7029

■ 9.0584, 15.3621,
11.3293

■ 37.4543, 29.5612,
32.5121

■ 8.9826, 15.3274,
11.1259

■ 41.3226, 31.5178,
34.3915

Harmonies

Analogous

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



16.5232, 18.8588, 17.5966



16.1971, 18.8588, 19.9260



16.3209, 18.8588, 22.6275

Triad

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



16.1971, 18.8588, 19.9260



18.6415, 18.8588, 25.6452



19.0254, 18.8588, 16.6805

Complementary

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



16.1971, 18.8588, 19.9260



16.1228, 15.1866, 16.8341

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.



19.6303, 18.8588, 18.5739



16.1971, 18.8588, 19.9260



19.4034, 18.8588, 23.7814

Square

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



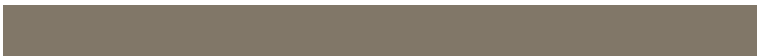
16.1971, 18.8588, 19.9260



17.7111, 18.8588, 26.0865



19.7710, 18.8588, 21.1543



18.1400, 18.8588, 15.8313

Rectangle

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



16.1971, 18.8588, 19.9260



16.6440, 18.8588, 24.2637



19.7710, 18.8588, 21.1543



19.2695, 18.8588, 17.2076

Sweetspot

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



16.1976, 18.8596, 19.9264



33.0561, 35.7972, 38.7024



16.2543, 18.9837, 15.6396



7.4735, 8.1197, 8.7709



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



16.1976, 18.8596, 19.9264



27.8666, 33.2036, 34.7722



16.1737, 18.1208, 22.0482



4.3900, 4.8643, 5.2250



9.3714, 15.9951, 11.5943



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.1228, 15.1866, 16.8341



27.7074, 25.3778, 28.1850



16.1292, 15.7857, 15.0289



4.3798, 4.3651, 4.8045



9.2199, 4.7077, 2.4818



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.1971, 18.8588, 19.9260 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 16.1971, 18.8588, 19.9260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

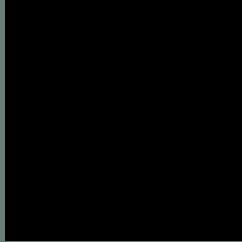
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

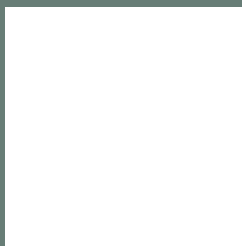
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.1971, 18.8588, 19.9260

Background



This preview shows how black text looks on a background with the XYZ color 16.1971, 18.8588, 19.9260.



This preview shows how white text looks on a background with the XYZ color 16.1971, 18.8588,

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

16.1971, 18.8588, 19.9260

Protanopia

17.8597, 18.6424, 18.8767

Deuteranopia

19.1513, 18.7524, 20.3795



Tritanopia

17.2605, 18.9235, 24.9332

Trichromacy



Original Color

16.1971, 18.8588, 19.9260

Protanomaly

17.1922, 18.6487, 19.2164

Deuteranomaly

17.8118, 18.5905, 20.1023

Tritanomaly

16.9296, 18.9771, 23.1927

Monochromacy



Original Color

16.1971, 18.8588, 19.9260

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.9174, 18.4935, 19.8175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1971, 18.8588, 19.9260 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(103, 125, 118)` looks like.

```
.text, #text, p{  
    color:rgb(103, 125, 118)  
}
```

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(103, 125, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 125, 118) }
```

Border

The CSS property to change the border of an element to XYZ 16.1971, 18.8588, 19.9260 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(103, 125, 118) }
```


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

```
.border{ border-color:rgb(103, 125, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 125, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 125, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 125, 118);  
box-shadow:4px 4px 4px 4px rgb(103, 125,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1971, 18.8588, 19.9260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 125, 118) }
```

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

```
.background{ background-color: rgb(103,  
125, 118) }
```

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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