

Converting Colors

XYZ(16.9871, 18.2544, 21.5055)

Have a look what the booklet for
XYZ(16.9871, 18.2544, 21.5055)
contains.

XYZ(16.9737, 18.3077, 21.3780)	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(16.9737, 18.3077,
21.3780)**

Conversions

Conversions Part 1

Format	Color
Hex	70787B
RGB	112, 120, 123
RGB Percent	44%, 47%, 48%
CMY	0.5608, 0.5294, 0.5176
CMYK	0.09, 0.02, 0.00, 0.52
HSL	196°, 5%, 46%
HSV	196°, 9%, 48%
XYZ	16.9737, 18.3077, 21.3780
YIQ	117.9500, -5.7310, -0.7630

Conversions

Conversions Part 2

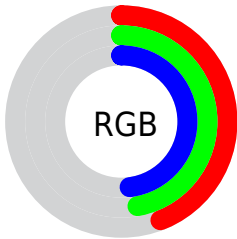
Format	Color
R_{YB}	112, 117, 123
Decimal	7370875
CIE _{Lab}	49.87, -2.34, -2.68
CIE _{LCh}	50, 3.559, 228.826
Yxy	18.3077, 0.2996, 0.3231
Android (android.graphics.Color)	4285560955 (0xFF70787B)
YUV	117.9500, 2.4896, -5.2182
Hunter-Lab	42.7875, -4.0676, 0.3281

Details

The XYZ color **16.9737, 18.3077, 21.3780** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.2239, 17.6422, 17.8271**, and the grayscale version is **17.1984, 18.0940, 19.7044**.

A 20% lighter version of the original color is **37.8002, 40.4927, 46.3810**, and **5.6677, 6.2191, 7.3803** is the 20% darker color. If you saturate the color by 10%, you get **15.1183, 16.7635, 21.1780**, and if you desaturate by 10%, it is **19.0581, 19.9919, 21.5935**.

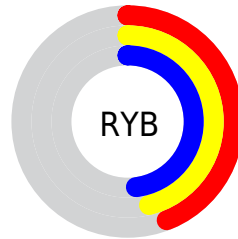
Distribution



Red (44%)

Green (47%)

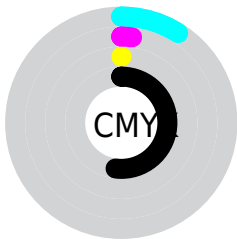
Blue (48%)



Red (44%)

Yellow (46%)

Blue (48%)

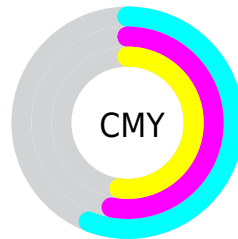


Cyan (9%)

Magenta (2%)

Yellow (0%)

Black (52%)



Cyan (56%)

Magenta (53%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9737, 18.3077, 21.3780 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 16.9737, 18.3077, 21.3780 by changing the saturation by 10% instead.

■ 16.9737, 18.3077,
21.3780

■ 16.9737, 18.3077,
21.3780

228.1800,
242.5997, 272.1273

■ 10.3109, 11.1711,
13.2067

■ 37.8245, 40.5609,
46.6047

■ 5.6694, 6.1821,
7.4386

■ 52.7433, 56.4464,
64.4972

■ 2.6839, 2.9561,
3.6553

■ 71.1447, 76.0169,
86.4671

■ 0.9889, 1.1089,
1.4382

■ 93.3942, 99.6570,
112.9330

■ 0.0000, 0.0000,
0.1713

119.8571,
127.7509, 144.3134

■ 0.0000, 0.0000,
0.0000

150.8988,

160.6830, 181.0269

186.8847,
198.8378, 223.4920

■ 16.9737, 18.3077,
21.3780

■ 16.9737, 18.3077,
21.3780

■ 15.1183, 16.7635,
21.1780

■ 19.0581, 19.9919,
21.5935

■ 13.4816, 15.3524,
20.9919

■ 21.3782, 21.8182,
21.8237

■ 12.0547, 14.0699,
20.8196

■ 23.9423, 23.7918,
22.0695

■ 10.8277, 12.9108,
20.6605

■ 26.7580, 25.9166,
22.3313

■ 9.7895, 11.8691,
20.5142

■ 29.8323, 28.1965,
22.6093

■ 8.9282, 10.9386,
20.3799

■ 33.1722, 30.6352,
22.9040

■ 8.2304, 10.1119,
20.2572

■ 36.7841, 33.2364,
23.2157

■ 7.6804, 9.3808,
20.1450

■ 40.6745, 36.0035,
23.5447

■ 7.2332, 8.7219,
20.0414

■ 44.8494, 38.9399,
23.8915

Harmonies

Analogous

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



16.7889, 18.3077, 20.5448



16.9737, 18.3077, 21.3780



17.2744, 18.3077, 21.8294

Triad

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



16.9737, 18.3077, 21.3780



18.0507, 18.3077, 20.2993



17.1906, 18.3077, 18.2124

Complementary

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



16.9737, 18.3077, 21.3780



17.2239, 17.6422, 17.8271

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.



17.5280, 18.3077, 18.1515



16.9737, 18.3077, 21.3780



18.0276, 18.3077, 19.3354

Square

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



16.9737, 18.3077, 21.3780



17.8981, 18.3077, 21.1933



17.8352, 18.3077, 18.5565



16.9130, 18.3077, 18.7256

Rectangle

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



16.9737, 18.3077, 21.3780



17.5015, 18.3077, 21.8436



17.8352, 18.3077, 18.5565



17.3007, 18.3077, 18.1390

Sweetspot

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



16.9742, 18.3085, 21.3784



32.5358, 34.5240, 38.5056



16.8560, 18.8472, 18.9493



7.5982, 8.0790, 9.0620



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.



16.9742, 18.3085, 21.3784



29.5867, 32.1196, 38.1969



16.3390, 17.0380, 21.1667



4.0191, 4.3365, 5.0684



7.4303, 8.9431, 20.7199



34.7077, 41.1880, 98.5906

Inverse Universe

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



17.3531, 17.1557, 20.1669



30.4334, 29.5739, 35.4828



17.8620, 18.9185, 18.0398



4.1101, 4.0598, 4.7774



10.3338, 5.1097, 10.3147



48.9220, 24.2251, 47.2466

Previews

White Background



This preview shows how the XYZ color 16.9737, 18.3077, 21.3780 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 16.9737, 18.3077, 21.3780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

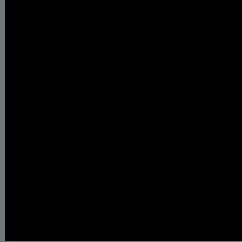
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

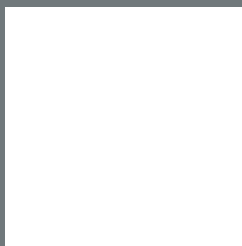
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.9737, 18.3077, 21.3780

Background



This preview shows how black text looks on a background with the XYZ color 16.9737, 18.3077, 21.3780.



This preview shows how white text looks on a background with the XYZ color 16.9737, 18.3077,

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

16.9737, 18.3077, 21.3780

Protanopia

17.7370, 18.3551, 21.0204

Deuteranopia

18.5212, 18.2287, 21.6111



Tritanopia

17.3693, 18.2893, 23.3836

Trichromacy



Original Color

16.9737, 18.3077, 21.3780

Protanomaly

17.4458, 18.3807, 21.0407

Deuteranomaly

18.0254, 18.3154, 21.6540

Tritanomaly

17.2376, 18.2367, 22.6902

Monochromacy



Original Color

16.9737, 18.3077, 21.3780

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.1894, 18.2627, 20.3884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9737, 18.3077, 21.3780 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, 120, 123)` looks like.

```
.text, #text, p{  
    color:rgb(112, 120, 123)  
}
```

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, 120, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 120, 123) }
```

Border

The CSS property to change the border of an element to XYZ 16.9737, 18.3077, 21.3780 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, 120, 123) }
```


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

```
.border{ border-color:rgb(112, 120, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 120, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 120, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 120, 123);  
box-shadow:4px 4px 4px 4px rgb(112, 120,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9737, 18.3077, 21.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 120, 123) }
```

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

```
.background{ background-color: rgb(112,  
120, 123) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor