

Converting Colors

XYZ(16.1613, 17.7567, 20.2972)

Have a look what the booklet for
XYZ(16.1613, 17.7567, 20.2972)
contains.

XYZ(16.1713, 17.7379, 20.3407)	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(16.1713, 17.7379,
20.3407)**

Conversions

Conversions Part 1

Format	Color
Hex	6C7778
RGB	108, 119, 120
RGB Percent	42%, 47%, 47%
CMY	0.5765, 0.5333, 0.5294
CMYK	0.10, 0.01, 0.00, 0.53
HSL	185°, 5%, 45%
HSV	185°, 10%, 47%
XYZ	16.1713, 17.7379, 20.3407
YIQ	115.8250, -6.8770, -2.0210

Conversions

Conversions Part 2

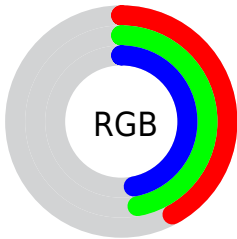
Format	Color
R_{YB}	108, 114, 120
Decimal	7108472
CIE _{Lab}	49.18, -3.87, -1.96
CIE _{LCh}	49, 4.341, 206.805
Yxy	17.7379, 0.2981, 0.3270
Android (android.graphics.Color)	4285298552 (0xFF6C7778)
YUV	115.8250, 2.0583, -6.8625
Hunter-Lab	42.1164, -5.1656, 0.8465

Details

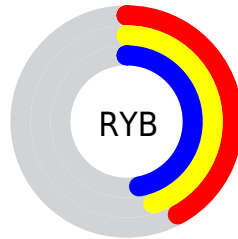
The XYZ color **16.1713, 17.7379, 20.3407** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.9211, 16.0127, 16.4391**, and the grayscale version is **16.5427, 17.4042, 18.9532**.

A 20% lighter version of the original color is **36.3074, 39.4753, 44.7356**, and **5.3474, 5.9665, 7.0007** is the 20% darker color. If you saturate the color by 10%, you get **14.6932, 16.8010, 20.2380**, and if you desaturate by 10%, it is **17.8526, 18.7823, 20.4540**.

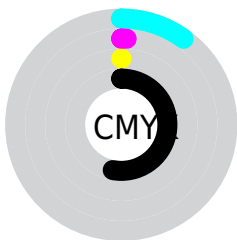
Distribution



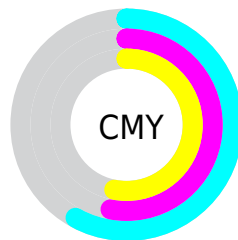
- Red (42%)
- Green (47%)
- Blue (47%)



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



- Cyan (10%)
- Magenta (1%)
- Yellow (0%)
- Black (53%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1713, 17.7379, 20.3407 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 16.1713, 17.7379, 20.3407 by changing the saturation by 10% instead.

■ 16.1713, 17.7379,
20.3407

■ 16.1713, 17.7379,
20.3407

223.6010,
239.3895, 266.4186

■ 9.7371, 10.7620,
12.4564

■ 36.4504, 39.5902,
44.8541

■ 5.2859, 5.9070,
6.9290

■ 51.0259, 55.2354,
62.3203

■ 2.4524, 2.7886,
3.3400

■ 69.0460, 74.5391,
83.8176

■ 0.8713, 1.0224,
1.2707

■ 90.8759, 97.8857,
109.7644

■ 0.0000, 0.0000,
0.0376

116.8810,
125.6597, 140.5794

■ 0.0000, 0.0000,
0.0000

147.4266,

158.2454, 176.6811

182.8782,
196.0272, 218.4880

■ 16.1713, 17.7379,
20.3407

■ 16.1713, 17.7379,
20.3407

■ 14.6932, 16.8010,
20.2380

■ 17.8526, 18.7823,
20.4540

■ 13.4086, 15.9653,
20.1444

■ 19.7432, 19.9360,
20.5770

■ 12.3093, 15.2269,
20.0599

■ 21.8510, 21.2036,
20.7106

■ 11.3858, 14.5810,
19.9839

■ 24.1829, 22.5885,
20.8550

■ 10.6281, 14.0224,
19.9160

■ 26.7454, 24.0942,
21.0105

■ 10.0248, 13.5452,
19.8557

■ 29.5451, 25.7240,
21.1776

■ 9.5632, 13.1429,
19.8023

■ 32.5879, 27.4810,
21.3563

■ 9.2286, 12.8079,
19.7553

■ 35.8797, 29.3683,
21.5471

■ 8.9687, 12.5131,
19.7121

■ 39.4263, 31.3889,
21.7502

Harmonies

Analogous

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



16.0909, 17.7379, 19.1891



16.1713, 17.7379, 20.3407



16.4350, 17.7379, 21.2479

Triad

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



16.1713, 17.7379, 20.3407



17.5219, 17.7379, 20.5652



16.9029, 17.7379, 17.1637

Complementary

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



16.1713, 17.7379, 20.3407



15.9211, 16.0127, 16.4391

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.



17.2909, 17.7379, 17.5003



16.1713, 17.7379, 20.3407



17.6518, 17.7379, 19.4386

Square

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



16.1713, 17.7379, 20.3407



17.2143, 17.7379, 21.3812



17.5666, 17.7379, 18.3216



16.5093, 17.7379, 17.3837

Rectangle

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



16.1713, 17.7379, 20.3407



16.6816, 17.7379, 21.5759



17.5666, 17.7379, 18.3216



17.0384, 17.7379, 17.2151

Sweetspot

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



16.1718, 17.7386, 20.3411



30.4519, 32.4499, 35.9115



15.6506, 17.7211, 17.0074



7.1654, 7.6585, 8.5073



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.



16.1718, 17.7386, 20.3411



27.8155, 30.8042, 35.7328



15.5022, 16.3993, 20.1179



4.0799, 4.4582, 5.0887



9.7794, 13.6411, 21.5029



46.3474, 64.4674, 102.4705

Inverse Universe

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



16.4384, 16.0503, 19.6854



28.3851, 27.2145, 34.3279



16.5607, 17.2919, 16.6523



4.1408, 4.0720, 4.9391



11.5195, 5.5840, 16.5584



54.7971, 26.5752, 78.1849

Previews

White Background



This preview shows how the XYZ color 16.1713, 17.7379, 20.3407 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 16.1713, 17.7379, 20.3407 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

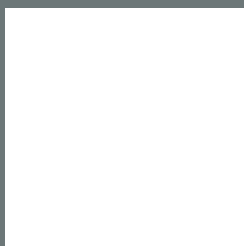
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.1713, 17.7379, 20.3407

Background



This preview shows how black text looks on a background with the XYZ color 16.1713, 17.7379, 20.3407.



This preview shows how white text looks on a background with the XYZ color 16.1713, 17.7379,

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

16.1713, 17.7379, 20.3407

Protanopia

16.9866, 17.6503, 19.6511

Deuteranopia

17.9605, 17.6264, 20.5448



Tritanopia

16.6159, 17.7404, 22.6272

Trichromacy



Original Color

16.1713, 17.7379, 20.3407

Protanomaly

16.6305, 17.6319, 19.9795

Deuteranomaly

17.1897, 17.5639, 20.5733

Tritanomaly

16.4232, 17.6633, 21.6125

Monochromacy



Original Color

16.1713, 17.7379, 20.3407

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 16.1713, 17.7379, 20.3407 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(108, 119, 120)` looks like.

```
.text, #text, p{  
    color:rgb(108, 119, 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(108, 119, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 119, 120) }
```

Border

The CSS property to change the border of an element to XYZ 16.1713, 17.7379, 20.3407 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(108, 119, 120) }
```


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

```
.border{ border-color:rgb(108, 119, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 119, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 119, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 119, 120);  
box-shadow:4px 4px 4px 4px rgb(108, 119,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1713, 17.7379, 20.3407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 119, 120) }
```

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

```
.background{ background-color: rgb(108,  
119, 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](#).

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