

Converting Colors

XYZ(17.1575, 18.1511, 20.2511)

Have a look what the booklet for
XYZ(17.1575, 18.1511, 20.2511)
contains.

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Color

**XYZ(17.0711, 18.0259,
20.3489)**

Conversions

Conversions Part 1

Format	Color
Hex	747678
RGB	116, 118, 120
RGB Percent	45%, 46%, 47%
CMY	0.5451, 0.5372, 0.5294
CMYK	0.03, 0.02, 0.00, 0.53
HSL	210°, 2%, 46%
HSV	210°, 3%, 47%
XYZ	17.0711, 18.0259, 20.3489
YIQ	117.6300, -1.8340, 0.1980

Conversions

Conversions Part 2

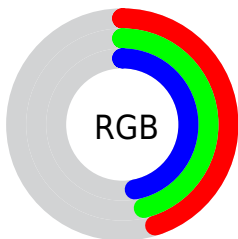
Format	Color
R_{YB}	116, 117, 120
Decimal	7632504
CIE Lab	49.53, -0.34, -1.37
CIE LCh	50, 1.410, 256.006
Yxy	18.0259, 0.3079, 0.3251
Android (android.graphics.Color)	4285822584 (0xFF747678)
YUV	117.6300, 1.1684, -1.4295
Hunter-Lab	42.4569, -2.5282, 1.3031

Details

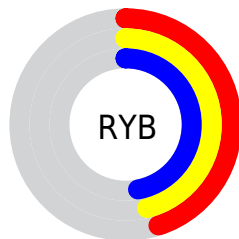
The XYZ color **17.0711, 18.0259, 20.3489** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.3767, 18.2109, 19.1227**, and the grayscale version is **17.1016, 17.9922, 19.5935**.

A 20% lighter version of the original color is **37.9696, 40.0528, 44.7595**, and **5.7438, 6.0771, 7.0012** is the 20% darker color. If you saturate the color by 10%, you get **14.8942, 15.8891, 20.0515**, and if you desaturate by 10%, it is **19.5000, 20.3603, 20.6717**.

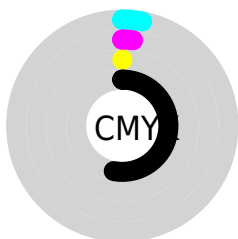
Distribution



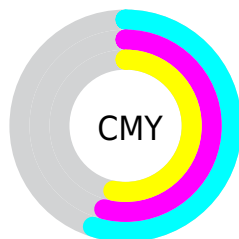
- Red (45%)
- Green (46%)
- Blue (47%)



- Red (45%)
- Yellow (46%)
- Blue (47%)



- Cyan (3%)
- Magenta (2%)
- Yellow (0%)
- Black (53%)



- Cyan (55%)
- Magenta (54%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0711, 18.0259, 20.3489 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 17.0711, 18.0259, 20.3489 by changing the saturation by 10% instead.

■ 17.0711, 18.0259,
20.3489

■ 17.0711, 18.0259,
20.3489

228.7300,
241.0170, 266.4641

■ 10.3808, 10.9686,
12.4623

■ 37.9906, 40.0815,
44.8680

■ 5.7164, 6.0457,
6.9330

■ 52.9505, 55.8485,
62.3376

■ 2.7124, 2.8729,
3.3424

■ 71.3977, 75.2875,
83.8387

■ 1.0036, 1.0657,
1.2720

■ 93.6975, 98.7830,
109.7897

■ 0.0000, 0.0000,
0.0387

120.2153,
126.7193, 140.6092

■ 0.0000, 0.0000,
0.0000

151.3164,

159.4808, 176.7157

187.3662,
197.4519, 218.5279

■ 17.0711, 18.0259,
20.3489

■ 17.0711, 18.0259,
20.3489

■ 14.8942, 15.8891,
20.0515

■ 19.5000, 20.3603,
20.6717

■ 12.9591, 13.9418,
19.7776

■ 22.1876, 22.8954,
21.0194

■ 11.2572, 12.1788,
19.5270

■ 25.1422, 25.6372,
21.3929

■ 9.7786, 10.5939,
19.2990

■ 28.3714, 28.5907,
21.7928

■ 8.5128, 9.1801,
19.0928

■ 31.8822, 31.7606,
22.2196

■ 7.4483, 7.9303,
18.9077

■ 35.6817, 35.1516,
22.6739

■ 6.5725, 6.8364,
18.7427

■ 39.7764, 38.7682,
23.1561

■ 5.8711, 5.8896,
18.5969

■ 44.1729, 42.6148,
23.6669

■ 5.3260, 5.0790,
18.4692

■ 48.8773, 46.6956,
24.2066

Harmonies

Analogous

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



16.9555, 18.0259, 20.1606



17.0711, 18.0259, 20.3489



17.2039, 18.0259, 20.3421

Triad

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



17.0711, 18.0259, 20.3489



17.3809, 18.0259, 19.4252



16.9491, 18.0259, 19.1211

Complementary

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



17.0711, 18.0259, 20.3489



17.3767, 18.2109, 19.1227

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.



17.0624, 18.0259, 18.9292



17.0711, 18.0259, 20.3489



17.3119, 18.0259, 19.1032

Square

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



17.0711, 18.0259, 20.3489



17.3833, 18.0259, 19.8054



17.1952, 18.0259, 18.9227



16.8853, 18.0259, 19.4500

Rectangle

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



17.0711, 18.0259, 20.3489



17.2844, 18.0259, 20.2277



17.1952, 18.0259, 18.9227



16.9827, 18.0259, 19.0386

Sweetspot

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



17.0716, 18.0267, 20.3493



30.9716, 32.6217, 35.9173



17.1854, 18.4527, 19.7751



7.3475, 7.7383, 8.5131



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.



17.0716, 18.0267, 20.3493



29.7170, 31.4055, 35.7487



16.8461, 17.5757, 20.2741



4.1995, 4.4402, 5.0789



5.4494, 4.9813, 20.0596



25.1430, 22.0587, 95.4024

Inverse Universe

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



17.2616, 17.7923, 19.6648



30.1265, 30.9034, 34.2727



17.6069, 18.6712, 19.1994



4.2639, 4.3615, 4.8466



9.3339, 4.7097, 5.0495



44.0942, 22.2940, 21.8238

Previews

White Background



This preview shows how the XYZ color 17.0711, 18.0259, 20.3489 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 17.0711, 18.0259, 20.3489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

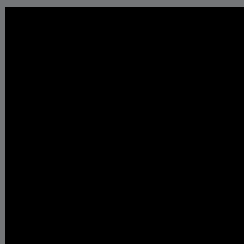
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.0711, 18.0259, 20.3489

Background



This preview shows how black text looks on a background with the XYZ color 17.0711, 18.0259, 20.3489.



This preview shows how white text looks on a background with the XYZ color 17.0711, 18.0259,

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

17.0711, 18.0259, 20.3489

Protanopia

17.2988, 17.9764, 20.0108

Deuteranopia

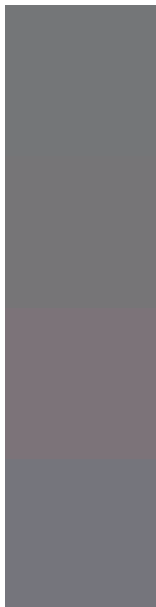
18.3706, 18.0043, 20.5961



Tritanopia

17.4633, 18.0108, 22.2947

Trichromacy



Original Color

17.0711, 18.0259, 20.3489

Protanomaly

17.1623, 17.9060, 20.0044

Deuteranomaly

17.8941, 17.9270, 20.6063

Tritanomaly

17.3355, 17.9597, 21.6217

Monochromacy



Original Color

17.0711, 18.0259, 20.3489

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.1443, 18.0707, 20.0372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0711, 18.0259, 20.3489 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(116, 118, 120)` looks like.

```
.text, #text, p{  
    color:rgb(116, 118, 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(116, 118, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 118, 120) }
```

Border

The CSS property to change the border of an element to XYZ 17.0711, 18.0259, 20.3489 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(116, 118, 120) }
```


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

```
.border{ border-color:rgb(116, 118, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 118, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 118, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 118, 120);  
box-shadow:4px 4px 4px 4px rgb(116, 118,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0711, 18.0259, 20.3489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 118, 120) }
```

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

```
.background{ background-color: rgb(116,  
118, 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](#).

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