

Converting Colors

XYZ(17.6967, 18.2616, 22.8421)

Have a look what the booklet for
XYZ(17.6967, 18.2616, 22.8421)
contains.

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Color

**XYZ(17.7108, 18.2973,
23.0203)**

Conversions

Conversions Part 1

Format	Color
Hex	757680
RGB	117, 118, 128
RGB Percent	46%, 46%, 50%
CMY	0.5412, 0.5372, 0.4980
CMYK	0.09, 0.08, 0.00, 0.50
HSL	235°, 4%, 48%
HSV	235°, 9%, 50%
XYZ	17.7108, 18.2973, 23.0203
YIQ	118.8410, -3.8060, 2.8980

Conversions

Conversions Part 2

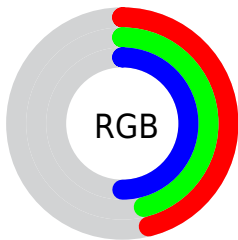
Format	Color
RYB	117, 118, 128
Decimal	7698048
CIELab	49.85, 1.73, -5.60
CIELCh	50, 5.864, 287.149
Yxy	18.2973, 0.3000, 0.3100
Android (android.graphics.Color)	4285888128 (0xFF757680)
YUV	118.8410, 4.5154, -1.6146
Hunter-Lab	42.7753, -0.9503, -1.9652

Details

The XYZ color **17.7108, 18.2973, 23.0203** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.7023, 21.0520, 19.8549**, and the grayscale version is **17.4718, 18.3817, 20.0177**.

A 20% lighter version of the original color is **39.0774, 40.5207, 49.4777**, and **6.0557, 6.2100, 8.2766** is the 20% darker color. If you saturate the color by 10%, you get **14.8207, 14.8980, 22.5168**, and if you desaturate by 10%, it is **21.0061, 22.1574, 23.5920**.

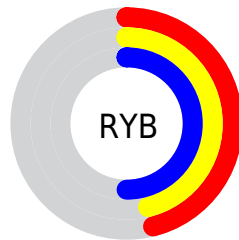
Distribution



Red (46%)

Green (46%)

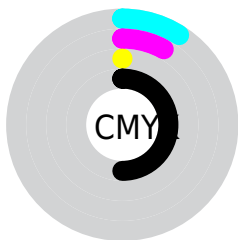
Blue (50%)



Red (46%)

Yellow (46%)

Blue (50%)

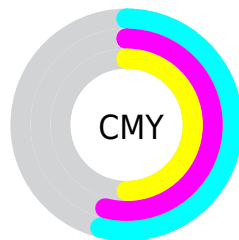


Cyan (9%)

Magenta (8%)

Yellow (0%)

Black (50%)



Cyan (54%)

Magenta (54%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7108, 18.2973, 23.0203 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 17.7108, 18.2973, 23.0203 by changing the saturation by 10% instead.

■ 17.7108, 18.2973,
23.0203

■ 17.7108, 18.2973,
23.0203

232.3131,
242.5415, 280.9545

■ 10.8410, 11.1636,
14.4031

■ 39.0779, 40.5433,
49.3503

■ 6.0265, 6.1770,
8.2596

■ 54.3058, 56.4244,
67.9001

■ 2.9020, 2.9530,
4.1714

■ 73.0506, 75.9901,
90.5978

■ 1.1022, 1.1073,
1.7198

95.6774, 99.6248,
117.8621

■ 0.0269, 0.0000,
0.3743

122.5518,
127.7129, 150.1113

■ 0.0000, 0.0000,
0.0000

154.0389,

160.6388, 187.7641

190.5042,
198.7868, 231.2390

■ 17.7108, 18.2973,
23.0203

■ 17.7108, 18.2973,
23.0203

■ 14.8207, 14.8980,
22.5168

■ 21.0061, 22.1574,
23.5920

■ 12.3187, 11.9399,
22.0777

■ 24.7199, 26.4923,
24.2330

■ 10.1887, 9.4058,
21.7008

■ 28.8666, 31.3180,
24.9459

■ 8.4128, 7.2761,
21.3833

■ 33.4596, 36.6494,
25.7328

■ 6.9717, 5.5298,
21.1222

■ 38.5117, 42.5005,
26.5959

■ 5.8444, 4.1440,
20.9142

■ 44.0352, 48.8850,
27.5372

■ 5.0071, 3.0934,
20.7555

■ 50.0418, 55.8159,
28.5584

■ 4.4331, 2.3492,
20.6421

■ 56.5431, 63.3058,
29.6614

■ 4.0666, 1.8657,
20.5681

■ 63.5499, 71.3669,
30.8481

Harmonies

Analogous

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



17.1524, 18.2973, 23.0864



17.7108, 18.2973, 23.0203



18.1933, 18.2973, 22.0966

Triad

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



17.7108, 18.2973, 23.0203



18.1344, 18.2973, 17.7441



16.3612, 18.2973, 19.2439

Complementary

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



17.7108, 18.2973, 23.0203



19.7023, 21.0520, 19.8549

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.



16.6127, 18.2973, 17.8961



17.7108, 18.2973, 23.0203



17.6319, 18.2973, 17.0620

Square

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



17.7108, 18.2973, 23.0203



18.4414, 18.2973, 19.0262



17.0751, 18.2973, 17.1161



16.3813, 18.2973, 20.8468

Rectangle

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



17.7108, 18.2973, 23.0203



18.4033, 18.2973, 21.1456



17.0751, 18.2973, 17.1161



16.4165, 18.2973, 18.7478

Sweetspot

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



17.7113, 18.2981, 23.0207



34.2984, 35.8684, 41.0718



18.8798, 20.7502, 23.0549



7.9301, 8.2806, 9.5987



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



17.7113, 18.2981, 23.0207



30.3024, 31.1821, 40.3779



18.1991, 18.3752, 23.0099



4.1379, 4.2699, 5.4194



3.9903, 1.7991, 20.3869



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.5338, 18.6201, 19.7577



32.0091, 31.8545, 33.6058



19.1848, 20.9783, 19.8679



4.3425, 4.3501, 4.6079



8.8911, 4.5761, 0.7503



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 17.7108, 18.2973, 23.0203 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 17.7108, 18.2973, 23.0203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

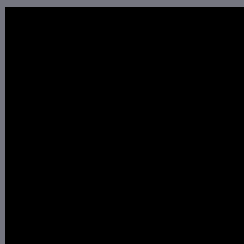
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

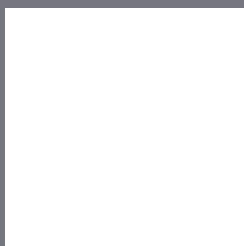
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.7108, 18.2973, 23.0203

Background



This preview shows how black text looks on a background with the XYZ color 17.7108, 18.2973, 23.0203.



This preview shows how white text looks on a background with the XYZ color 17.7108, 18.2973,

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

17.7108, 18.2973, 23.0203

Protanopia

17.8459, 18.3669, 23.0267

Deuteranopia

18.5506, 18.2064, 23.3053



Tritanopia

17.6453, 18.2711, 22.6753

Trichromacy



Original Color

17.7108, 18.2973, 23.0203

Protanomaly

17.8459, 18.3669, 23.0267

Deuteranomaly

18.2339, 18.2133, 23.3234

Tritanomaly

17.6453, 18.2711, 22.6753

Monochromacy



Original Color

17.7108, 18.2973, 23.0203

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.5809, 18.4503, 21.0470

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7108, 18.2973, 23.0203 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(117, 118, 128)` looks like.

```
.text, #text, p{  
    color:rgb(117, 118, 128)  
}
```

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(117, 118, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 118, 128) }
```

Border

The CSS property to change the border of an element to XYZ 17.7108, 18.2973, 23.0203 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(117, 118, 128) }
```


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

```
.border{ border-color:rgb(117, 118, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 118, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 118, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 118, 128);  
box-shadow:4px 4px 4px 4px rgb(117, 118,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7108, 18.2973, 23.0203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 118, 128) }
```

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

```
.background{ background-color: rgb(117,  
118, 128) }
```

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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