

Converting Colors

XYZ(18.1450, 19.9972, 23.2246)

Have a look what the booklet for
XYZ(18.1450, 19.9972, 23.2246)
contains.

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Color

**XYZ(18.1672, 19.9909,
23.3232)**

Conversions

Conversions Part 1

Format	Color
Hex	717E80
RGB	113, 126, 128
RGB Percent	44%, 49%, 50%
CMY	0.5569, 0.5059, 0.4980
CMYK	0.12, 0.02, 0.00, 0.50
HSL	188°, 6%, 47%
HSV	188°, 12%, 50%
XYZ	18.1672, 19.9909, 23.3232
YIQ	122.3410, -8.3900, -2.1340

Conversions

Conversions Part 2

Format	Color
R_{YB}	113, 120, 128
Decimal	7437952
CIE Lab	51.83, -4.34, -2.72
CIE LCh	52, 5.123, 212.115
Yxy	19.9909, 0.2955, 0.3252
Android (android.graphics.Color)	4285628032 (0xFF717E80)
YUV	122.3410, 2.7899, -8.1921
Hunter-Lab	44.7112, -5.7158, 0.3697

Details

The XYZ color **18.1672, 19.9909, 23.3232** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.0136, 18.0430, 18.1564**, and the grayscale version is **18.6037, 19.5726, 21.3145**.

A 20% lighter version of the original color is **39.9776, 43.5757, 50.0200**, and **6.2451, 6.9961, 8.4184** is the 20% darker color. If you saturate the color by 10%, you get **16.4192, 18.7693, 23.1799**, and if you desaturate by 10%, it is **20.1524, 21.3413, 23.4795**.

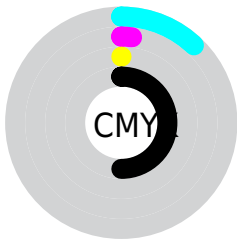
Distribution



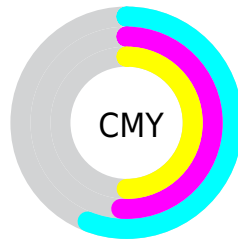
- Red (44%)
- Green (49%)
- Blue (50%)



- Red (44%)
- Yellow (47%)
- Blue (50%)



- Cyan (12%)
- Magenta (2%)
- Yellow (0%)
- Black (50%)



- Cyan (56%)
- Magenta (51%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1672, 19.9909, 23.3232 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 18.1672, 19.9909, 23.3232 by changing the saturation by 10% instead.

■ 18.1672, 19.9909,
23.3232

■ 18.1672, 19.9909,
23.3232

234.8392,
251.8659, 282.5562

■ 11.1705, 12.3884,
14.6248

■ 39.8499, 43.4019,
49.8534

■ 6.2498, 7.0088,
8.4128

■ 55.2666, 59.9793,
68.5222

■ 3.0396, 3.4676,
4.2687

■ 74.2207, 80.3170,
91.3517

■ 1.1748, 1.3805,
1.7739

■ 97.0775, 104.7996,
118.7602

■ 0.0863, 0.2023,
0.4106

124.2024,
133.8114, 151.1664

■ 0.0000, 0.0000,
0.0000

155.9607,

167.7367, 188.9888

192.7179,
206.9601, 232.6459

■ 18.1672, 19.9909,
23.3232

■ 18.1672, 19.9909,
23.3232

■ 16.4192, 18.7693,
23.1799

■ 20.1524, 21.3413,
23.4795

■ 14.8969, 17.6691,
23.0477

■ 22.3822, 22.8229,
23.6480

■ 13.5905, 16.6856,
22.9268

■ 24.8657, 24.4408,
23.8294

■ 12.4890, 15.8132,
22.8164

■ 27.6113, 26.1994,
24.0241

■ 11.5800, 15.0454,
22.7161

■ 30.6266, 28.1027,
24.2326

■ 10.8500, 14.3753,
22.6253

■ 33.9193, 30.1546,
24.4551

■ 10.2837, 13.7950,
22.5431

■ 37.4965, 32.3588,
24.6920

■ 9.8632, 13.2951,
22.4688

■ 41.3652, 34.7191,
24.9437

■ 9.5752, 12.9162,
22.4108

■ 45.5320, 37.2388,
25.2104

Harmonies

Analogous

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



18.0199, 19.9909, 21.8724



18.1672, 19.9909, 23.3232



18.5374, 19.9909, 24.3944

Triad

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



18.1672, 19.9909, 23.3232



19.8974, 19.9909, 23.1323



18.9639, 19.9909, 19.0312

Complementary

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



18.1672, 19.9909, 23.3232



18.0136, 18.0430, 18.1564

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.



19.4718, 19.9909, 19.3348



18.1672, 19.9909, 23.3232



20.0165, 19.9909, 21.6613

Square

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



18.1672, 19.9909, 23.3232



19.5367, 19.9909, 24.2807



19.8594, 19.9909, 20.2810



18.4747, 19.9909, 19.4325

Rectangle

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



18.1672, 19.9909, 23.3232



18.8640, 19.9909, 24.7251



19.8594, 19.9909, 20.2810



19.1381, 19.9909, 19.0542

Sweetspot

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



18.1678, 19.9917, 23.3236



34.6130, 36.9894, 41.2716



17.6098, 20.1815, 19.1120



8.0481, 8.6225, 9.6585



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.



18.1678, 19.9917, 23.3236



31.1457, 34.6164, 40.9964



17.2738, 18.2039, 23.0257



4.3991, 4.7923, 5.5064



9.4950, 12.8085, 22.2218



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.5736, 17.9063, 22.2169



32.0081, 30.2207, 38.6363



18.8734, 19.7624, 18.4430



4.4743, 4.4029, 5.3021



11.6696, 5.6875, 15.3818



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.1672, 19.9909, 23.3232 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 18.1672, 19.9909, 23.3232 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

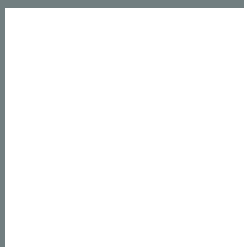
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.1672, 19.9909, 23.3232

Background



This preview shows how black text looks on a background with the XYZ color 18.1672, 19.9909, 23.3232.



This preview shows how white text looks on a background with the XYZ color 18.1672, 19.9909,

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

18.1672, 19.9909, 23.3232

Protanopia

19.3063, 20.0322, 22.5877

Deuteranopia

20.3518, 20.0045, 23.5575



Tritanopia

18.6462, 19.9939, 25.7981

Trichromacy



Original Color

18.1672, 19.9909, 23.3232

Protanomaly

18.9236, 20.0126, 22.9441

Deuteranomaly

19.5262, 19.9397, 23.5885

Tritanomaly

18.4379, 19.9106, 24.7011

Monochromacy



Original Color

18.1672, 19.9909, 23.3232

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.3288, 19.5431, 21.8749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1672, 19.9909, 23.3232 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(113, 126, 128)` looks like.

```
.text, #text, p{  
    color:rgb(113, 126, 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(113, 126, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 126, 128) }
```

Border

The CSS property to change the border of an element to XYZ 18.1672, 19.9909, 23.3232 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(113, 126, 128) }
```


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

```
.border{ border-color:rgb(113, 126, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 126, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 126, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 126, 128);  
box-shadow:4px 4px 4px 4px rgb(113, 126,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1672, 19.9909, 23.3232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 126, 128) }
```

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

```
.background{ background-color: rgb(113,  
126, 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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