

Converting Colors

XYZ(19.4120, 23.0220, 28.3283)

Have a look what the booklet for
XYZ(19.4120, 23.0220, 28.3283)
contains.

XYZ(19.3016, 22.8952, 28.2129)	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(19.3016, 22.8952,
28.2129)**

Conversions

Conversions Part 1

Format	Color
Hex	668A8C
RGB	102, 138, 140
RGB Percent	40%, 54%, 55%
CMY	0.6000, 0.4588, 0.4510
CMYK	0.27, 0.01, 0.00, 0.45
HSL	183°, 16%, 47%
HSV	183°, 27%, 55%
XYZ	19.3016, 22.8952, 28.2129
YIQ	127.4640, -22.0980, -7.0100

Conversions

Conversions Part 2

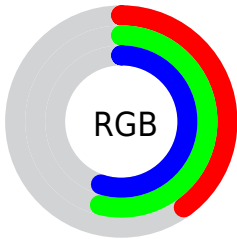
Format	Color
R_{YB}	102, 120, 140
Decimal	6720140
CIE _{Lab}	54.96, -11.99, -5.15
CIE _{LCh}	55, 13.048, 203.258
Yxy	22.8952, 0.2741, 0.3252
Android (android.graphics.Color)	4284910220 (0xFF668A8C)
YUV	127.4640, 6.1802, -22.3319
Hunter-Lab	47.8489, -11.7312, -1.4646

Details

The XYZ color **19.3016, 22.8952, 28.2129** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.1641, 16.4355, 14.7858**, and the grayscale version is **20.3178, 21.3759, 23.2784**.

A 20% lighter version of the original color is **41.6948, 48.0267, 58.1115**, and **6.8034, 8.4745, 10.9500** is the 20% darker color. If you saturate the color by 10%, you get **17.7420, 21.9355, 28.1102**, and if you desaturate by 10%, it is **21.1313, 23.9964, 28.3294**.

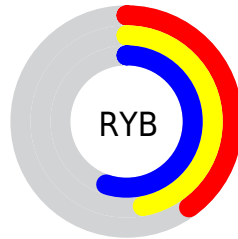
Distribution



Red (40%)

Green (54%)

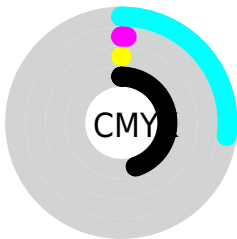
Blue (55%)



Red (40%)

Yellow (47%)

Blue (55%)

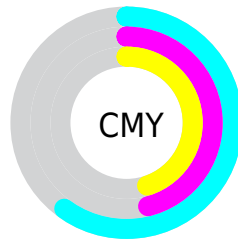


Cyan (27%)

Magenta (1%)

Yellow (0%)

Black (45%)



Cyan (60%)

Magenta (46%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3016, 22.8952, 28.2129 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 19.3016, 22.8952, 28.2129 by changing the saturation by 10% instead.

■ 19.3016, 22.8952,
28.2129

■ 19.3016, 22.8952,
28.2129

241.0150,
267.1863, 307.4267

■ 11.9937, 14.5161,
18.2458

■ 41.7561, 48.2212,
57.8514

■ 6.8116, 8.4805,
10.9553

■ 57.6333, 65.9369,
78.3598

■ 3.3898, 4.4039,
5.9230

■ 77.0978, 87.5336,
103.2190

■ 1.3631, 1.9020,
2.7303

■ 100.5147,
113.3958, 132.8476

■ 0.2297, 0.5496,
0.9586

128.2496,
143.9077, 167.6642

■ 0.0000, 0.0000,
0.0000

160.6677,

179.4538, 208.0872

198.1344,
220.4186, 254.5352

■ 19.3016, 22.8952,
28.2129

■ 19.3016, 22.8952,
28.2129

■ 17.7420, 21.9355,
28.1102

■ 21.1313, 23.9964,
28.3294

■ 16.4369, 21.1075,
28.0192

■ 23.2415, 25.2426,
28.4587

■ 15.3725, 20.4046,
27.9396

■ 25.6447, 26.6410,
28.6020

■ 14.5325, 19.8185,
27.8708

■ 28.3519, 28.1971,
28.7597

■ 13.8990, 19.3398,
27.8118

■ 31.3735, 29.9165,
28.9323

■ 13.4511, 18.9579,
27.7617

■ 34.7196, 31.8042,
29.1203

■ 13.1507, 18.6531,
27.7187

■ 38.3998, 33.8651,
29.3241

■ 13.0719, 18.5698,
27.7067

■ 42.4230, 36.1040,
29.5442

■ 46.7983, 38.5255,
29.7810

Harmonies

Analogous

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



19.1111, 22.8952, 24.0044



19.3016, 22.8952, 28.2129



20.1374, 22.8952, 31.8820

Triad

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



19.3016, 22.8952, 28.2129



24.0700, 22.8952, 30.0110



22.0898, 22.8952, 17.8177

Complementary

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



19.3016, 22.8952, 28.2129



18.1641, 16.4355, 14.7858

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.



23.4700, 22.8952, 19.0684



19.3016, 22.8952, 28.2129



24.6456, 22.8952, 25.8770

Square

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



19.3016, 22.8952, 28.2129



22.8795, 22.8952, 32.9979



24.4213, 22.8952, 21.9103



20.6799, 22.8952, 18.2959

Rectangle

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



19.3016, 22.8952, 28.2129



20.9688, 22.8952, 33.3732



24.4213, 22.8952, 21.9103



22.5733, 22.8952, 18.0448

Sweetspot

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



19.3023, 22.8961, 28.2134



40.5700, 44.2656, 50.1488



17.3516, 22.5788, 16.5142



9.2251, 10.1275, 11.5480



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



19.3023, 22.8961, 28.2134



32.1755, 39.2294, 49.6192



16.8223, 17.9362, 27.3868



5.1507, 5.6443, 6.4238



11.6193, 16.5089, 24.6198



0.0804, 0.1161, 0.1646

Inverse Universe

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



20.1546, 16.9137, 26.2482



33.9687, 26.7891, 45.4516



20.2845, 20.6764, 15.4927



5.2227, 5.1245, 6.2611



13.3517, 6.4508, 20.1541



0.0903, 0.0435, 0.1424

Previews

White Background



This preview shows how the XYZ color 19.3016, 22.8952, 28.2129 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 19.3016, 22.8952, 28.2129 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

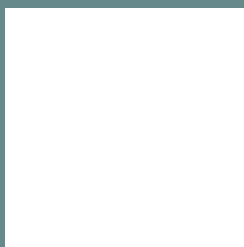
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.3016, 22.8952, 28.2129

Background



This preview shows how black text looks on a background with the XYZ color 19.3016, 22.8952, 28.2129.



This preview shows how white text looks on a background with the XYZ color 19.3016, 22.8952,

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

19.3016, 22.8952, 28.2129

Protanopia

21.8715, 22.6201, 26.1350

Deuteranopia

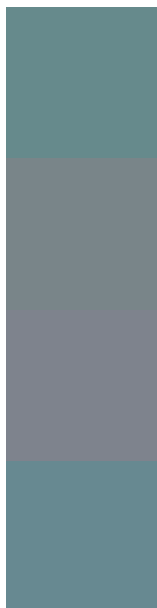
23.1193, 22.6207, 28.7389



Tritanopia

19.9999, 22.9725, 31.3970

Trichromacy



Original Color

19.3016, 22.8952, 28.2129

Protanomaly

20.7880, 22.6461, 26.9424

Deuteranomaly

21.5282, 22.5913, 28.4252

Tritanomaly

19.6500, 22.8192, 30.1569

Monochromacy



Original Color

19.3016, 22.8952, 28.2129

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.7524, 21.7501, 24.9869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3016, 22.8952, 28.2129 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(102, 138, 140)` looks like.

```
.text, #text, p{  
    color:rgb(102, 138, 140)  
}
```

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(102, 138, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 138, 140) }
```

Border

The CSS property to change the border of an element to XYZ 19.3016, 22.8952, 28.2129 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(102, 138, 140) }
```


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

```
.border{ border-color:rgb(102, 138, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 138, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 138, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 138, 140);  
box-shadow:4px 4px 4px 4px rgb(102, 138,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3016, 22.8952, 28.2129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 138, 140) }
```

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

```
.background{ background-color: rgb(102,  
138, 140) }
```

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