

Converting Colors

XYZ(18.3098, 23.8248, 32.9118)

Have a look what the booklet for
XYZ(18.3098, 23.8248, 32.9118)
contains.

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Color

**XYZ(18.3098, 23.8248,
32.9118)**

Conversions

Conversions Part 1

Format	Color
Hex	479197
RGB	71, 145, 151
RGB Percent	28%, 57%, 59%
CMY	0.7216, 0.4314, 0.4078
CMYK	0.53, 0.04, 0.00, 0.41
HSL	184°, 36%, 44%
HSV	184°, 53%, 59%
XYZ	18.3098, 23.8248, 32.9118
YIQ	123.5580, -46.0300, -13.8220

Conversions

Conversions Part 2

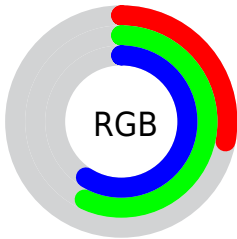
Format	Color
R _Y B	71, 109, 151
Decimal	4690327
CIE Lab	55.91, -21.20, -10.24
CIE LCh	56, 23.538, 205.779
Yxy	23.8248, 0.2440, 0.3175
Android (android.graphics.Color)	4282880407 (0xFF479197)
YUV	123.5580, 13.5289, -46.0934
Hunter-Lab	48.8107, -18.4599, -5.8103

Details

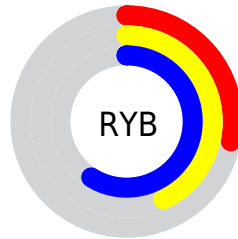
The XYZ color **18.3098, 23.8248, 32.9118** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.5540, 12.3422, 7.4714**, and the grayscale version is **18.9793, 19.9677, 21.7449**.

A 20% lighter version of the original color is **40.0471, 49.6902, 65.2381**, and **6.3030, 8.9255, 13.4472** is the 20% darker color. If you saturate the color by 10%, you get **17.1651, 22.9797, 32.8094**, and if you desaturate by 10%, it is **19.7329, 24.8171, 33.0288**.

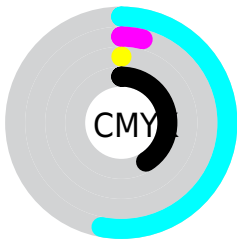
Distribution



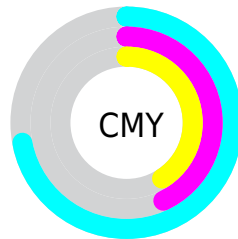
- Red (28%)
- Green (57%)
- Blue (59%)



- Red (28%)
- Yellow (43%)
- Blue (59%)



- Cyan (53%)
- Magenta (4%)
- Yellow (0%)
- Black (41%)



- Cyan (72%)
- Magenta (43%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3098, 23.8248, 32.9118 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 18.3098, 23.8248, 32.9118 by changing the saturation by 10% instead.

■ 18.3098, 23.8248,
32.9118

■ 18.3098, 23.8248,
32.9118

235.6234,
271.9335, 329.8719

■ 11.2737, 15.2037,
21.7883

■ 40.0905, 49.7441,
65.3522

■ 6.3199, 8.9625,
13.5046

■ 55.5657, 67.8112,
87.5063

■ 3.0830, 4.7167,
7.6421

■ 74.5847, 89.7957,
114.1742

■ 1.1978, 2.0820,
3.7824

■ 97.5128, 116.0820,
145.7747

■ 0.1047, 0.6545,
1.5067

■ 124.7154,
147.0546, 182.7261

■ 0.0000, 0.0000,
0.2229

156.5578,

■ 0.0000, 0.0000,

183.0977, 225.4471

0.0000

193.4053,
224.5959, 274.3562

■ 18.3098, 23.8248,
32.9118

■ 18.3098, 23.8248,
32.9118

■ 17.1651, 22.9797,
32.8094

■ 19.7329, 24.8171,
33.0288

■ 16.2758, 22.2682,
32.7190

■ 21.4509, 25.9634,
33.1595

■ 15.6189, 21.6791,
32.6399

■ 23.4814, 27.2735,
33.3053

■ 15.1663, 21.1978,
32.5708

■ 25.8403, 28.7554,
33.4670

■ 14.9172, 20.8969,
32.5259

■ 28.5422, 30.4167,
33.6453

■ 31.6009, 32.2646,
33.8407

■ 35.0294, 34.3057,
34.0540

■ 38.8400, 36.5464,
34.2857

■ 43.0446, 38.9928,
34.5363

Harmonies

Analogous

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



17.8797, 23.8248, 24.8689



18.3098, 23.8248, 32.9118



19.8657, 23.8248, 40.1759

Triad

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



18.3098, 23.8248, 32.9118



27.1839, 23.8248, 35.1687



23.0265, 23.8248, 13.8204

Complementary

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



18.3098, 23.8248, 32.9118



16.5540, 12.3422, 7.4714

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.



25.6716, 23.8248, 15.5419



18.3098, 23.8248, 32.9118



28.1890, 23.8248, 27.0438

Square

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



18.3098, 23.8248, 32.9118



24.9633, 23.8248, 41.6491



27.6150, 23.8248, 20.0316



20.4744, 23.8248, 14.7819

Rectangle

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



18.3098, 23.8248, 32.9118



21.4010, 23.8248, 43.0601



27.6150, 23.8248, 20.0316



23.9358, 23.8248, 14.0934

Sweetspot

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



18.3105, 23.8257, 32.9124



44.7976, 50.5748, 59.8345



14.9817, 23.9997, 10.7416



9.9998, 11.3808, 13.5872



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



18.3105, 23.8257, 32.9124



30.3342, 40.8392, 58.7176



13.3046, 13.8140, 31.2437



6.3450, 6.9473, 7.9355



12.6994, 17.7954, 27.6732



0.2000, 0.2864, 0.4171

Inverse Universe

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



20.1271, 13.1306, 28.2628



34.0513, 19.8341, 49.0068



20.1842, 19.6025, 8.6815



6.4412, 6.3157, 7.7036



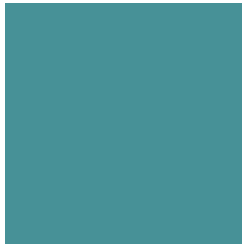
14.8688, 7.2018, 21.6320



0.2274, 0.1097, 0.3504

Previews

White Background



This preview shows how the XYZ color 18.3098, 23.8248, 32.9118 looks on a white background.

Color Contrast Check

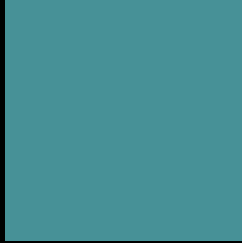
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3098, 23.8248, 32.9118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

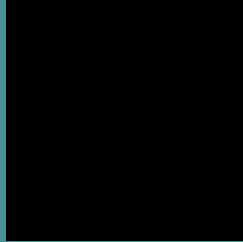
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.3098, 23.8248, 32.9118

Background



This preview shows how black text looks on a background with the XYZ color 18.3098, 23.8248, 32.9118.

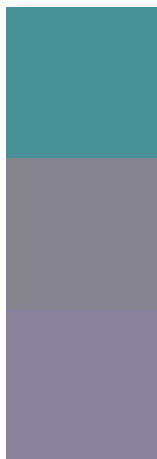


This preview shows how white text looks on a background with the XYZ color 18.3098, 23.8248,

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

18.3098, 23.8248, 32.9118

Protanopia

22.8821, 23.4722, 29.3112

Deuteranopia

23.9687, 23.5326, 33.8508



Tritanopia

18.7217, 23.7633, 35.0525

Trichromacy



Original Color

18.3098, 23.8248, 32.9118

Protanomaly

20.5644, 23.2816, 30.6041

Deuteranomaly

21.0958, 23.0726, 33.4786

Tritanomaly

18.4785, 23.6573, 34.1643

Monochromacy



Original Color

18.3098, 23.8248, 32.9118

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.3800, 21.2270, 25.6827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3098, 23.8248, 32.9118 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(71, 145, 151)` looks like.

```
.text, #text, p{  
    color:rgb(71, 145, 151)  
}
```

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(71, 145, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 145, 151) }
```

Border

The CSS property to change the border of an element to XYZ 18.3098, 23.8248, 32.9118 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(71, 145, 151) }
```


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

```
.border{ border-color:rgb(71, 145, 151) }
```

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

Here you see how a box with a 4 pixel rgb(71, 145, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 145, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 145, 151);  
box-shadow:4px 4px 4px 4px rgb(71, 145,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3098, 23.8248, 32.9118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 145, 151) }
```

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

```
.background{ background-color: rgb(71, 145,  
151) }
```

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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