

Converting Colors

XYZ(18.4283, 23.6120, 35.0388)

Have a look what the booklet for
XYZ(18.4283, 23.6120, 35.0388)
contains.

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Color

**XYZ(18.4283, 23.6120,
35.0388)**

Conversions

Conversions Part 1

Format	Color
Hex	45909C
RGB	69, 144, 156
RGB Percent	27%, 56%, 61%
CMY	0.7294, 0.4353, 0.3882
CMYK	0.56, 0.08, 0.00, 0.39
HSL	188°, 39%, 44%
HSV	188°, 56%, 61%
XYZ	18.4283, 23.6120, 35.0388
YIQ	122.9430, -48.5520, -12.1680

Conversions

Conversions Part 2

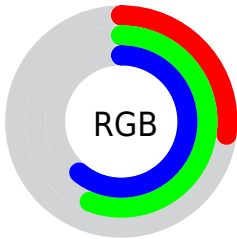
Format	Color
R _Y B	69, 109, 156
Decimal	4559004
CIE Lab	55.70, -19.65, -13.44
CIE LCh	56, 23.804, 214.370
Yxy	23.6120, 0.2391, 0.3063
Android (android.graphics.Color)	4282749084 (0xFF45909C)
YUV	122.9430, 16.2971, -47.3080
Hunter-Lab	48.5922, -17.3412, -8.7382

Details

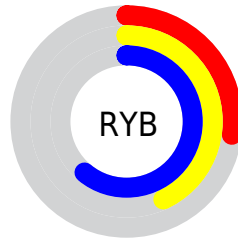
The XYZ color **18.4283, 23.6120, 35.0388** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.7276, 13.3832, 7.2800**, and the grayscale version is **18.7682, 19.7456, 21.5029**.

A 20% lighter version of the original color is **40.2844, 49.4013, 68.3850**, and **6.4642, 8.8486, 14.7319** is the 20% darker color. If you saturate the color by 10%, you get **17.1412, 22.4698, 34.8866**, and if you desaturate by 10%, it is **20.0140, 24.9184, 35.2078**.

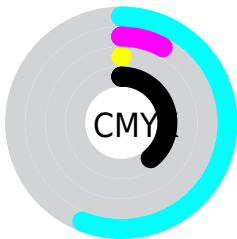
Distribution



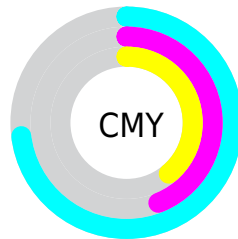
- Red (27%)
- Green (56%)
- Blue (61%)



- Red (27%)
- Yellow (43%)
- Blue (61%)



- Cyan (56%)
- Magenta (8%)
- Yellow (0%)
- Black (39%)



- Cyan (73%)
- Magenta (44%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4283, 23.6120, 35.0388 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 18.4283, 23.6120, 35.0388 by changing the saturation by 10% instead.

■ 18.4283, 23.6120,
35.0388

■ 18.4283, 23.6120,
35.0388

236.2734,
270.8530, 339.6490

■ 11.3595, 15.0461,
23.4090

■ 40.2902, 49.3963,
68.6981

■ 6.3782, 8.8517,
14.6876

■ 55.8139, 67.3834,
91.5647

■ 3.1192, 4.6446,
8.4563

■ 74.8867, 89.2798,
119.0139

■ 1.2171, 2.0403,
4.2963

■ 97.8739, 115.4697,
151.4644

■ 0.1198, 0.6307,
1.7893

■ 125.1408,
146.3375, 189.3346

■ 0.0000, 0.0000,
0.4209

157.0527,

■ 0.0000, 0.0000,

182.2678, 233.0431

0.0000

193.9752,
223.6448, 283.0084

■ 18.4283, 23.6120,
35.0388

■ 18.4283, 23.6120,
35.0388

■ 17.1412, 22.4698,
34.8866

■ 20.0140, 24.9184,
35.2078

■ 16.1271, 21.4770,
34.7484

■ 21.9170, 26.3971,
35.3929

■ 15.3599, 20.6205,
34.6235

■ 24.1569, 28.0589,
35.5956

■ 14.8028, 19.8815,
34.5103

■ 26.7512, 29.9127,
35.8167

■ 14.5931, 19.5848,
34.4640

■ 29.7160, 31.9669,
36.0570

■ 33.0666, 34.2295,
36.3171

■ 36.8173, 36.7079,
36.5978

■ 40.9818, 39.4091,
36.8997

■ 45.5729, 42.3398,
37.2234

Harmonies

Analogous

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



17.6585, 23.6120, 26.8579



18.4283, 23.6120, 35.0388



20.2732, 23.6120, 41.5600

Triad

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



18.4283, 23.6120, 35.0388



27.4505, 23.6120, 32.6839



22.0496, 23.6120, 13.5617

Complementary

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



18.4283, 23.6120, 35.0388



17.7276, 13.3832, 7.2800

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.



24.7613, 23.6120, 14.5088



18.4283, 23.6120, 35.0388



28.0208, 23.6120, 24.5942

Square

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



18.4283, 23.6120, 35.0388



25.4994, 23.6120, 40.0205



27.0010, 23.6120, 18.2032



19.6402, 23.6120, 15.2955

Rectangle

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



18.4283, 23.6120, 35.0388



21.9376, 23.6120, 43.5038



27.0010, 23.6120, 18.2032



22.9551, 23.6120, 13.5803

Sweetspot

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



18.4290, 23.6129, 35.0394



47.8033, 53.7768, 64.9872



15.8137, 25.6308, 11.8209



10.3228, 11.6943, 14.2835



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



18.4290, 23.6129, 35.0394



30.6158, 40.3243, 63.2965



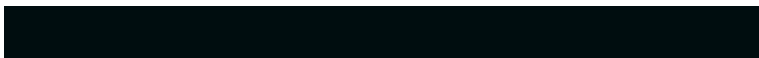
13.0998, 12.9544, 33.2629



6.7438, 7.3534, 8.4706



12.0387, 16.1689, 28.3936



0.2347, 0.3281, 0.5142

Inverse Universe

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



20.8731, 13.3386, 27.8609



35.7007, 20.3989, 48.0369



22.0054, 21.9388, 8.7059



6.8648, 6.7388, 8.1391



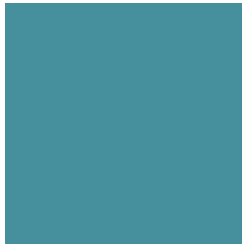
14.8748, 7.2545, 19.3894



0.2758, 0.1336, 0.3985

Previews

White Background



This preview shows how the XYZ color 18.4283, 23.6120, 35.0388 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 18.4283, 23.6120, 35.0388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

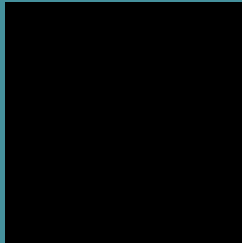
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.4283, 23.6120, 35.0388

Background



This preview shows how black text looks on a background with the XYZ color 18.4283, 23.6120, 35.0388.

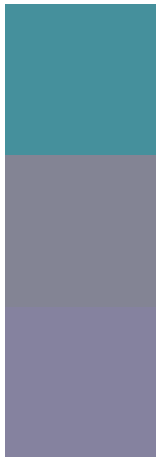


This preview shows how white text looks on a background with the XYZ color 18.4283, 23.6120,

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

18.4283, 23.6120, 35.0388

Protanopia

22.9566, 23.4659, 31.3364

Deuteranopia

23.9135, 23.4550, 36.0678



Tritanopia

18.4283, 23.6120, 35.0388

Trichromacy



Original Color

18.4283, 23.6120, 35.0388

Protanomaly

20.5744, 23.0308, 32.6392

Deuteranomaly

21.2659, 23.1116, 35.6879

Tritanomaly

18.4283, 23.6120, 35.0388

Monochromacy



Original Color

18.4283, 23.6120, 35.0388

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.0830, 20.8654, 25.9960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4283, 23.6120, 35.0388 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(69, 144, 156)` looks like.

```
.text, #text, p{  
    color:rgb(69, 144, 156)  
}
```

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(69, 144, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 144, 156) }
```

Border

The CSS property to change the border of an element to XYZ 18.4283, 23.6120, 35.0388 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(69, 144, 156) }
```


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

```
.border{ border-color:rgb(69, 144, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 144, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 144, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 144, 156);  
box-shadow:4px 4px 4px 4px rgb(69, 144,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4283, 23.6120, 35.0388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 144, 156) }
```

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

```
.background{ background-color: rgb(69, 144,  
156) }
```

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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