

Converting Colors

XYZ(18.8173, 23.7929, 35.9485)

Have a look what the booklet for
XYZ(18.8173, 23.7929, 35.9485)
contains.

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Color

**XYZ(18.8173, 23.7929,
35.9485)**

Conversions

Conversions Part 1

Format	Color
Hex	48909E
RGB	72, 144, 158
RGB Percent	28%, 56%, 62%
CMY	0.7176, 0.4353, 0.3804
CMYK	0.54, 0.09, 0.00, 0.38
HSL	190°, 37%, 45%
HSV	190°, 54%, 62%
XYZ	18.8173, 23.7929, 35.9485
YIQ	124.0680, -47.4060, -10.9100

Conversions

Conversions Part 2

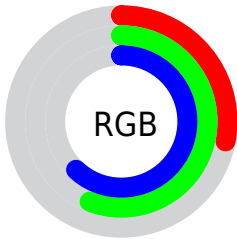
Format	Color
R_{YB}	72, 111, 158
Decimal	4755614
CIE _{Lab}	55.88, -18.41, -14.30
CIE _{LCh}	56, 23.314, 217.832
Yxy	23.7929, 0.2395, 0.3029
Android (android.graphics.Color)	4282945694 (0xFF48909E)
YUV	124.0680, 16.7285, -45.6636
Hunter-Lab	48.7780, -16.5007, -9.5511

Details

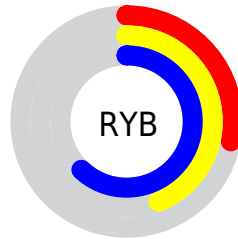
The XYZ color **18.8173, 23.7929, 35.9485** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.5985, 14.3930, 7.9294**, and the grayscale version is **19.1388, 20.1355, 21.9276**.

A 20% lighter version of the original color is **40.9567, 49.7043, 70.3860**, and **6.5682, 8.8902, 15.2797** is the 20% darker color. If you saturate the color by 10%, you get **17.4024, 22.4923, 35.7725**, and if you desaturate by 10%, it is **20.5453, 25.2691, 36.1428**.

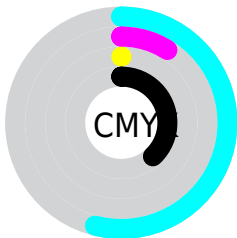
Distribution



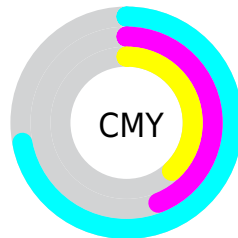
- Red (28%)
- Green (56%)
- Blue (62%)



- Red (28%)
- Yellow (44%)
- Blue (62%)



- Cyan (54%)
- Magenta (9%)
- Yellow (0%)
- Black (38%)



- Cyan (72%)
- Magenta (44%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8173, 23.7929, 35.9485 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 18.8173, 23.7929, 35.9485 by changing the saturation by 10% instead.

■ 18.8173, 23.7929,
35.9485

■ 18.8173, 23.7929,
35.9485

238.3958,
271.7718, 343.7660

■ 11.6416, 15.1801,
24.1050

■ 40.9444, 49.6920,
70.1207

■ 6.5706, 8.9459,
15.1986

■ 56.6265, 67.7471,
93.2866

■ 3.2389, 4.7059,
8.8107

■ 75.8747, 89.7184,
121.0636

■ 1.2813, 2.0757,
4.5228

■ 99.0545, 115.9903,
153.8704

■ 0.1692, 0.6509,
1.9163

■ 126.5311,
146.9472, 192.1255

■ 0.0000, 0.0000,
0.5031

158.6700,

■ 0.0000, 0.0000,

182.9735, 236.2475

0.0000

195.8364,
224.4535, 286.6548

■ 18.8173, 23.7929,
35.9485

■ 18.8173, 23.7929,
35.9485

■ 17.4024, 22.4923,
35.7725

■ 20.5453, 25.2691,
36.1428

■ 16.2747, 21.3522,
35.6119

■ 22.6053, 26.9293,
36.3547

■ 15.4074, 20.3595,
35.4659

■ 25.0175, 28.7844,
36.5856

■ 14.7676, 19.4970,
35.3332

■ 27.7997, 30.8436,
36.8364

■ 14.4612, 19.0478,
35.2626

■ 30.9686, 33.1157,
37.1080

■ 34.5396, 35.6086,
37.4009

■ 38.5275, 38.3302,
37.7161

■ 42.9462, 41.2877,
38.0540

■ 47.8091, 44.4879,
38.4154

Harmonies

Analogous

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



17.9246, 23.7929, 27.9504



18.8173, 23.7929, 35.9485



20.7424, 23.7929, 41.9421

Triad

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



18.8173, 23.7929, 35.9485



27.6793, 23.7929, 31.8238



21.9258, 23.7929, 13.9539

Complementary

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



18.8173, 23.7929, 35.9485



18.5985, 14.3930, 7.9294

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.



24.5959, 23.7929, 14.5884



18.8173, 23.7929, 35.9485



28.0583, 23.7929, 23.9646

Square

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



18.8173, 23.7929, 35.9485



25.8924, 23.7929, 39.2545



26.8908, 23.7929, 17.9338



19.6255, 23.7929, 15.9897

Rectangle

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



18.8173, 23.7929, 35.9485



22.4219, 23.7929, 43.4351



26.8908, 23.7929, 17.9338



22.8081, 23.7929, 13.8707

Sweetspot

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



18.8180, 23.7938, 35.9491



49.4788, 55.2774, 66.8052



16.5356, 26.4863, 12.8150



10.9290, 12.2962, 15.0410



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.8180, 23.7938, 35.9491



31.1873, 40.4428, 64.9059



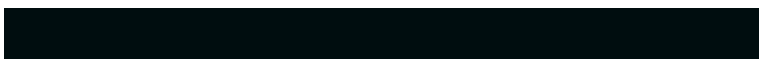
13.6059, 13.3695, 34.2117



6.7299, 7.3255, 8.4659



11.6059, 15.3033, 28.2494



0.2299, 0.3184, 0.5126

Inverse Universe

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



21.4526, 13.9181, 27.9424



36.6678, 21.3633, 47.9217



22.9770, 23.1499, 9.3889



6.8578, 6.7360, 8.1020



14.6563, 7.1671, 18.2390



0.2733, 0.1327, 0.3856

Previews

White Background



This preview shows how the XYZ color 18.8173, 23.7929, 35.9485 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 18.8173, 23.7929, 35.9485 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

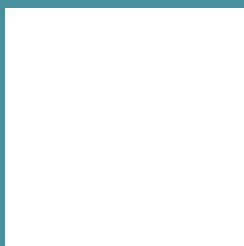
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8173, 23.7929, 35.9485

Background



This preview shows how black text looks on a background with the XYZ color 18.8173, 23.7929, 35.9485.



This preview shows how white text looks on a background with the XYZ color 18.8173, 23.7929,

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

18.8173, 23.7929, 35.9485

Protanopia

22.9622, 23.4504, 32.1703

Deuteranopia

23.9314, 23.4440, 36.9820



Tritanopia

18.5725, 23.6864, 35.0455

Trichromacy



Original Color

18.8173, 23.7929, 35.9485

Protanomaly

20.8606, 23.1594, 33.5077

Deuteranomaly

21.4395, 23.1810, 36.6021

Tritanomaly

18.6576, 23.7204, 35.4934

Monochromacy



Original Color

18.8173, 23.7929, 35.9485

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.3859, 21.0134, 26.3795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8173, 23.7929, 35.9485 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(72, 144, 158)` looks like.

```
.text, #text, p{  
    color:rgb(72, 144, 158)  
}
```

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(72, 144, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 144, 158) }
```

Border

The CSS property to change the border of an element to XYZ 18.8173, 23.7929, 35.9485 is called "border". The border property can be set on classes, ids or directly on the HTML element.

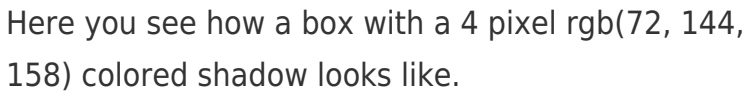
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(72, 144, 158) }
```


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

```
.border{ border-color:rgb(72, 144, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(72, 144, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 144, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 144, 158);  
box-shadow:4px 4px 4px 4px rgb(72, 144,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8173, 23.7929, 35.9485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 144, 158) }
```

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

```
.background{ background-color: rgb(72, 144,  
158) }
```

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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