

Converting Colors

XYZ(18.8049, 23.7028, 29.5706)

Have a look what the booklet for
XYZ(18.8049, 23.7028, 29.5706)
contains.

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Color

**XYZ(18.8049, 23.7028,
29.5706)**

Conversions

Conversions Part 1

Format	Color
Hex	588F8F
RGB	88, 143, 143
RGB Percent	35%, 56%, 56%
CMY	0.6549, 0.4392, 0.4392
CMYK	0.38, 0.00, 0.00, 0.44
HSL	180°, 24%, 45%
HSV	180°, 38%, 56%
XYZ	18.8049, 23.7028, 29.5706
YIQ	126.5550, -32.7800, -11.6600

Conversions

Conversions Part 2

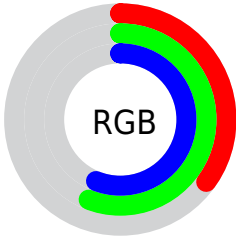
Format	Color
R _Y B	88, 116, 143
Decimal	5803919
CIE Lab	55.79, -18.09, -5.74
CIE LCh	56, 18.976, 197.619
Yxy	23.7028, 0.2609, 0.3288
Android (android.graphics.Color)	4283993999 (0xFF588F8F)
YUV	126.5550, 8.1074, -33.8127
Hunter-Lab	48.6855, -16.2536, -1.9317

Details

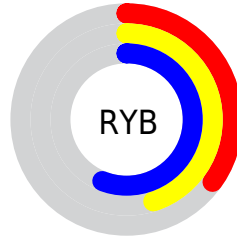
The XYZ color **18.8049, 23.7028, 29.5706** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.5797, 13.5244, 10.9700**, and the grayscale version is **20.0021, 21.0438, 22.9167**.

A 20% lighter version of the original color is **41.0288, 49.6264, 60.2397**, and **6.5305, 8.8197, 11.7141** is the 20% darker color. If you saturate the color by 10%, you get **17.5820, 23.0729, 29.5137**, and if you desaturate by 10%, it is **20.2948, 24.4714, 29.6410**.

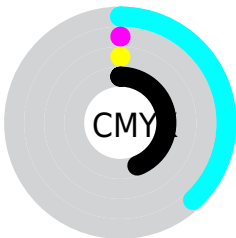
Distribution



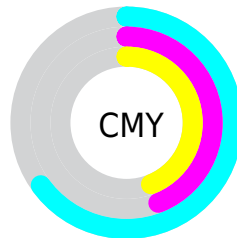
- Red (35%)
- Green (56%)
- Blue (56%)



- Red (35%)
- Yellow (45%)
- Blue (56%)



- Cyan (38%)
- Magenta (0%)
- Yellow (0%)
- Black (44%)



- Cyan (65%)
- Magenta (44%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8049, 23.7028, 29.5706 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 18.8049, 23.7028, 29.5706 by changing the saturation by 10% instead.

■ 18.8049, 23.7028,
29.5706

■ 18.8049, 23.7028,
29.5706

238.3284,
271.3145, 314.0425

■ 11.6326, 15.1133,
19.2636

■ 40.9236, 49.5448,
60.0354

■ 6.5644, 8.8989,
11.6822

■ 56.6007, 67.5660,
81.0303

■ 3.2351, 4.6753,
6.4077

■ 75.8433, 89.5000,
106.4249

■ 1.2793, 2.0581,
3.0218

■ 99.0170, 115.7311,
136.6377

■ 0.1676, 0.6409,
1.1058

126.4870,
146.6437, 172.0874

■ 0.0000, 0.0000,
0.0000

158.6186,

182.6222, 213.1924

195.7773,
224.0510, 260.3713

■ 18.8049, 23.7028,
29.5706

■ 18.8049, 23.7028,
29.5706

■ 17.5820, 23.0729,
29.5137

■ 20.2948, 24.4714,
29.6410

■ 16.6084, 22.5710,
29.4680

■ 22.0638, 25.3834,
29.7239

■ 15.8674, 22.1891,
29.4332

■ 24.1261, 26.4465,
29.8206

■ 15.3399, 21.9171,
29.4083

■ 26.4939, 27.6672,
29.9316

■ 15.0031, 21.7435,
29.3924

■ 29.1792, 29.0515,
30.0574

■ 14.8082, 21.6430,
29.3831

■ 32.1930, 30.6052,
30.1986

■ 14.7807, 21.6288,
29.3818

■ 35.5458, 32.3336,
30.3557

■ 39.2479, 34.2421,
30.5291

■ 43.3087, 36.3355,
30.7193

Harmonies

Analogous

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



18.7181, 23.7028, 23.3460



18.8049, 23.7028, 29.5706



19.8489, 23.7028, 35.6071

Triad

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



18.8049, 23.7028, 29.5706



25.7312, 23.7028, 34.6648



23.4292, 23.7028, 15.8637

Complementary

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



18.8049, 23.7028, 29.5706



16.5797, 13.5244, 10.9700

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.



25.4396, 23.7028, 17.9956



18.8049, 23.7028, 29.5706



26.8245, 23.7028, 28.4380

Square

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



18.8049, 23.7028, 29.5706



23.8068, 23.7028, 38.8553



26.7145, 23.7028, 22.3795



21.2974, 23.7028, 16.0676

Rectangle

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



18.8049, 23.7028, 29.5706



20.9872, 23.7028, 38.4139



26.7145, 23.7028, 22.3795



24.1441, 23.7028, 16.3148

Sweetspot

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



18.8056, 23.7037, 29.5711



41.7404, 46.6051, 53.3334



15.6965, 22.4702, 12.7430



9.4754, 10.6378, 12.2260



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



18.8056, 23.7037, 29.5711



31.7825, 41.4716, 52.8664



15.2767, 16.6457, 28.3954



5.5603, 6.1163, 6.9162



13.0684, 19.1232, 25.9781



0.1249, 0.1828, 0.2484

Inverse Universe

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



16.5797, 13.5244, 10.9700



27.2191, 20.6028, 14.7320



19.1733, 18.7117, 11.8342



5.4089, 5.4241, 5.6513



10.0158, 5.1634, 0.4688



0.0958, 0.0494, 0.0045

Previews

White Background



This preview shows how the XYZ color 18.8049, 23.7028, 29.5706 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 18.8049, 23.7028, 29.5706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

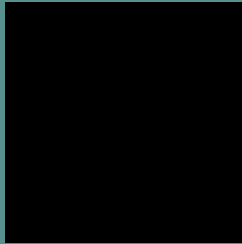
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.8049, 23.7028, 29.5706

Background



This preview shows how black text looks on a background with the XYZ color 18.8049, 23.7028, 29.5706.

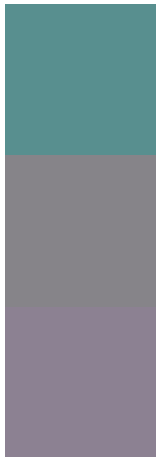


This preview shows how white text looks on a background with the XYZ color 18.8049, 23.7028,

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

18.8049, 23.7028, 29.5706

Protanopia

22.5981, 23.3770, 26.9881

Deuteranopia

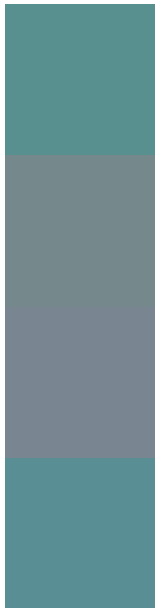
23.8538, 23.3513, 30.4441



Tritanopia

19.5890, 23.5738, 33.6547

Trichromacy



Original Color

18.8049, 23.7028, 29.5706

Protanomaly

20.8005, 23.2543, 27.8183

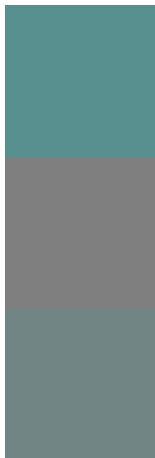
Deuteranomaly

21.5211, 23.1595, 30.1240

Tritanomaly

19.3143, 23.6896, 31.9883

Monochromacy



Original Color

18.8049, 23.7028, 29.5706

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.4312, 21.9792, 25.4086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8049, 23.7028, 29.5706 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(88, 143, 143)` looks like.

```
.text, #text, p{  
    color:rgb(88, 143, 143)  
}
```

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(88, 143, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 143, 143) }
```

Border

The CSS property to change the border of an element to XYZ 18.8049, 23.7028, 29.5706 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(88, 143, 143) }
```


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

```
.border{ border-color:rgb(88, 143, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 143, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 143, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 143, 143);  
box-shadow:4px 4px 4px 4px rgb(88, 143,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8049, 23.7028, 29.5706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 143, 143) }
```

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

```
.background{ background-color: rgb(88, 143,  
143) }
```

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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