

Converting Colors

XYZ(18.6626, 23.4305, 23.7919)

Have a look what the booklet for
XYZ(18.6626, 23.4305, 23.7919)
contains.

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Color

**XYZ(18.7149, 23.5572,
23.9827)**

Conversions

Conversions Part 1

Format	Color
Hex	638E80
RGB	99, 142, 128
RGB Percent	39%, 56%, 50%
CMY	0.6118, 0.4431, 0.4980
CMYK	0.30, 0.00, 0.10, 0.44
HSL	160°, 18%, 47%
HSV	160°, 30%, 56%
XYZ	18.7149, 23.5572, 23.9827
YIQ	127.5470, -21.1340, -13.4700

Conversions

Conversions Part 2

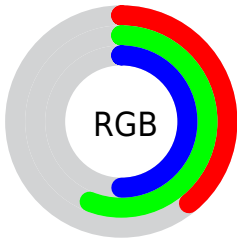
Format	Color
R_{YB}	99, 125, 142
Decimal	6524544
CIE _{Lab}	55.64, -17.92, 2.74
CIE _{LCh}	56, 18.124, 171.317
Yxy	23.5572, 0.2825, 0.3556
Android (android.graphics.Color)	4284714624 (0xFF638E80)
YUV	127.5470, 0.2233, -25.0357
Hunter-Lab	48.5358, -16.1098, 4.6784

Details

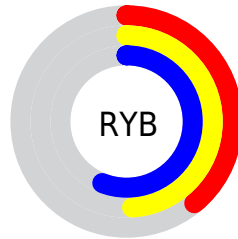
The XYZ color **18.7149, 23.5572, 23.9827** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.5987, 15.8674, 17.7062**, and the grayscale version is **20.3661, 21.4268, 23.3337**.

A 20% lighter version of the original color is **40.8429, 49.3954, 51.0977**, and **6.5538, 8.8969, 8.7690** is the 20% darker color. If you saturate the color by 10%, you get **17.0006, 22.7084, 22.3501**, and if you desaturate by 10%, it is **20.7173, 24.5541, 25.7022**.

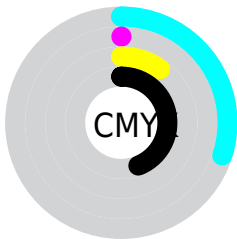
Distribution



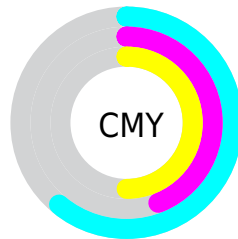
- Red (39%)
- Green (56%)
- Blue (50%)



- Red (39%)
- Yellow (49%)
- Blue (56%)



- Cyan (30%)
- Magenta (0%)
- Yellow (10%)
- Black (44%)



- Cyan (61%)
- Magenta (44%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7149, 23.5572, 23.9827 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 18.7149, 23.5572, 23.9827 by changing the saturation by 10% instead.

■ 18.7149, 23.5572,
23.9827

■ 18.7149, 23.5572,
23.9827

237.8387,
270.5741, 286.0167

■ 11.5672, 15.0055,
15.1087

■ 40.7724, 49.3066,
50.9454

■ 6.5198, 8.8232,
8.7482

■ 56.4129, 67.2732,
69.8713

■ 3.2073, 4.6261,
4.4828

■ 75.6152, 89.1467,
92.9848

■ 1.2643, 2.0296,
1.8938

■ 98.7444, 115.3117,
120.7046

■ 0.1563, 0.6246,
0.4888

126.1660,
146.1526, 153.4491

■ 0.0000, 0.0000,
0.0000

158.2454,

182.0537, 191.6369

195.3478,
223.3994, 235.6866

■ 18.7149, 23.5572,
23.9827

■ 18.7149, 23.5572,
23.9827

■ 17.0006, 22.7084,
22.3501

■ 20.7173, 24.5541,
25.7022

■ 15.5578, 21.9974,
20.8012

■ 23.0191, 25.7031,
27.5085

■ 14.3715, 21.4171,
19.3348

■ 25.6336, 27.0117,
29.4038

■ 13.4241, 20.9584,
17.9491

■ 28.5726, 28.4859,
31.3894

■ 12.6961, 20.6113,
16.6421

■ 31.8474, 30.1315,
33.4668

■ 12.1642, 20.3638,
15.4117

■ 35.4684, 31.9540,
35.6373

■ 11.7740, 20.1871,
14.2856

■ 39.4461, 33.9585,
37.9023

■ 43.7900, 36.1502,
40.2630

■ 48.5096, 38.5337,
42.7207

Harmonies

Analogous

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



19.4517, 23.5572, 19.2203



18.7149, 23.5572, 23.9827



18.9148, 23.5572, 29.9771

Triad

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



18.7149, 23.5572, 23.9827



23.8544, 23.5572, 37.6715



24.9460, 23.5572, 17.8070

Complementary

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



18.7149, 23.5572, 23.9827



18.5987, 15.8674, 17.7062

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.



26.2676, 23.5572, 21.7603



18.7149, 23.5572, 23.9827



25.6111, 23.5572, 33.3737

Square

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



18.7149, 23.5572, 23.9827



21.8005, 23.5572, 38.5085



26.5182, 23.5572, 27.3924



22.9909, 23.5572, 16.0290

Rectangle

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



18.7149, 23.5572, 23.9827



19.5580, 23.5572, 33.8498



26.5182, 23.5572, 27.3924



25.4839, 23.5572, 18.8941

Sweetspot

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



18.7156, 23.5582, 23.9832



41.0679, 45.5620, 48.8650



18.7789, 23.7808, 15.4052



9.0464, 10.1133, 10.8194



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.



18.7156, 23.5582, 23.9832



30.9901, 40.5434, 40.4112



18.6696, 21.8881, 28.8332



5.4866, 6.0869, 6.5282



10.5794, 18.1276, 12.8714



0.1113, 0.1774, 0.1765

Inverse Universe

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



18.5987, 15.8674, 17.7062



30.7537, 24.8462, 27.6109



18.5795, 16.9948, 14.1059



5.4768, 5.4512, 6.0087



10.4706, 5.3452, 2.8634



0.1094, 0.0548, 0.0763

Previews

White Background



This preview shows how the XYZ color 18.7149, 23.5572, 23.9827 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 18.7149, 23.5572, 23.9827 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

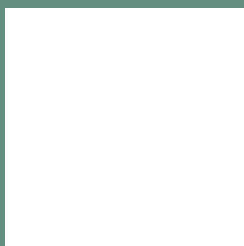
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.7149, 23.5572, 23.9827

Background



This preview shows how black text looks on a background with the XYZ color 18.7149, 23.5572, 23.9827.



This preview shows how white text looks on a background with the XYZ color 18.7149, 23.5572,

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

18.7149, 23.5572, 23.9827

Protanopia

22.3076, 23.3359, 22.0674

Deuteranopia

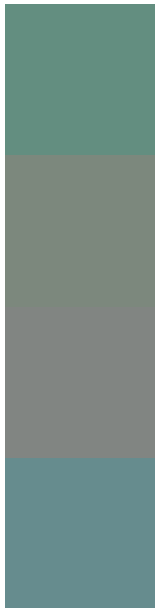
23.6700, 23.1880, 24.7009



Tritanopia

20.4466, 23.6103, 32.3338

Trichromacy



Original Color

18.7149, 23.5572, 23.9827

Protanomaly

20.8180, 23.3741, 22.8165

Deuteranomaly

21.4701, 23.0539, 24.4373

Tritanomaly

19.7401, 23.5339, 29.0933

Monochromacy



Original Color

18.7149, 23.5572, 23.9827

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.6199, 22.1155, 23.6567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7149, 23.5572, 23.9827 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(99, 142, 128) looks like.

```
.text, #text, p{  
    color:rgb(99, 142, 128)  
}
```

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(99, 142, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 142, 128) }
```

Border

The CSS property to change the border of an element to XYZ 18.7149, 23.5572, 23.9827 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(99, 142, 128) }
```


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

```
.border{ border-color:rgb(99, 142, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 142, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 142, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 142, 128);  
box-shadow:4px 4px 4px 4px rgb(99, 142,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7149, 23.5572, 23.9827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 142, 128) }
```

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

```
.background{ background-color: rgb(99, 142,  
128) }
```

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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