

Converting Colors

XYZ(15.7457, 19.0378, 22.8873)

Have a look what the booklet for
XYZ(15.7457, 19.0378, 22.8873)
contains.

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Color

**XYZ(15.8643, 19.1948,
22.9475)**

Conversions

Conversions Part 1

Format	Color
Hex	5B807F
RGB	91, 128, 127
RGB Percent	36%, 50%, 50%
CMY	0.6431, 0.4980, 0.5020
CMYK	0.29, 0.00, 0.01, 0.50
HSL	178°, 17%, 43%
HSV	178°, 29%, 50%
XYZ	15.8643, 19.1948, 22.9475
YIQ	116.8230, -21.7310, -8.1550

Conversions

Conversions Part 2

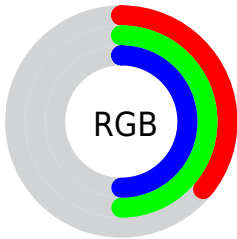
Format	Color
R _Y B	91, 110, 128
Decimal	5996671
CIE Lab	50.91, -13.13, -3.65
CIE LCh	51, 13.628, 195.540
Yxy	19.1948, 0.2735, 0.3309
Android (android.graphics.Color)	4284186751 (0xFF5B807F)
YUV	116.8230, 5.0173, -22.6468
Hunter-Lab	43.8119, -12.0358, -0.3862

Details

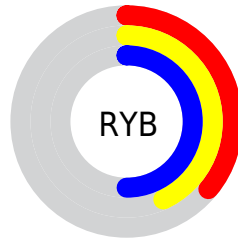
The XYZ color **15.8643, 19.1948, 22.9475** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.5756, 12.8446, 11.8370**, and the grayscale version is **16.8440, 17.7212, 19.2983**.

A 20% lighter version of the original color is **35.9174, 42.0938, 49.4119**, and **5.1674, 6.6556, 8.2200** is the 20% darker color. If you saturate the color by 10%, you get **14.6862, 18.5905, 22.7751**, and if you desaturate by 10%, it is **17.2589, 19.9116, 23.1313**.

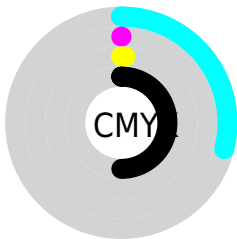
Distribution



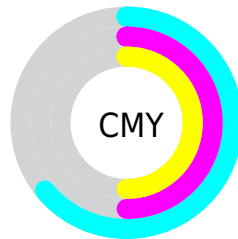
- Red (36%)
- Green (50%)
- Blue (50%)



- Red (36%)
- Yellow (43%)
- Blue (50%)



- Cyan (29%)
- Magenta (0%)
- Yellow (1%)
- Black (50%)



- Cyan (64%)
- Magenta (50%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8643, 19.1948, 22.9475 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 15.8643, 19.1948, 22.9475 by changing the saturation by 10% instead.

■ 15.8643, 19.1948,
22.9475

■ 15.8643, 19.1948,
22.9475

221.8258,
247.5221, 280.5684

■ 9.5184, 11.8111,
14.3498

■ 35.9218, 42.0630,
49.2292

■ 5.1406, 6.6152,
8.2228

■ 50.3642, 58.3163,
67.7503

■ 2.3656, 3.2226,
4.1481

■ 68.2360, 78.2950,
90.4163

■ 0.8279, 1.2490,
1.7069

■ 89.9028, 102.3834,
117.6457

■ 0.0000, 0.1012,
0.3655

115.7298,
130.9659, 149.8571

■ 0.0000, 0.0000,
0.0000

146.0824,

164.4269, 187.4690

181.3259,
203.1508, 230.8999

■ 15.8643, 19.1948,
22.9475

■ 15.8643, 19.1948,
22.9475

■ 14.6862, 18.5905,
22.7751

■ 17.2589, 19.9116,
23.1313

■ 13.7119, 18.0909,
22.6122

■ 18.8784, 20.7439,
23.3256

■ 12.9302, 17.6905,
22.4587

■ 20.7329, 21.6973,
23.5313

■ 12.3279, 17.3826,
22.3140

■ 22.8314, 22.7765,
23.7488

■ 11.8903, 17.1596,
22.1775

■ 25.1824, 23.9858,
23.9786

■ 11.6004, 17.0127,
22.0482

■ 27.7938, 25.3294,
24.2210

■ 11.4116, 16.9179,
21.9241

■ 30.6735, 26.8112,
24.4763

■ 11.3917, 16.9079,
21.9106

■ 33.8289, 28.4352,
24.7449

■ 37.2670, 30.2049,
25.0272

Harmonies

Analogous

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



15.8528, 19.1948, 19.1045



15.8643, 19.1948, 22.9475



16.4921, 19.1948, 26.6441

Triad

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



15.8643, 19.1948, 22.9475



20.1528, 19.1948, 26.5282



18.8975, 19.1948, 14.5173

Complementary

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



15.8643, 19.1948, 22.9475



14.5756, 12.8446, 11.8370

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.



20.1160, 19.1948, 16.0470



15.8643, 19.1948, 22.9475



20.8645, 19.1948, 22.8043

Square

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



15.8643, 19.1948, 22.9475



18.9457, 19.1948, 28.8781



20.8507, 19.1948, 18.9778



17.5600, 19.1948, 14.5457

Rectangle

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



15.8643, 19.1948, 22.9475



17.1941, 19.1948, 28.3921



20.8507, 19.1948, 18.9778



19.3359, 19.1948, 14.8573

Sweetspot

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



15.8649, 19.1956, 22.9479



33.1453, 36.4742, 41.0560



14.0450, 18.4818, 12.7249



7.6716, 8.4940, 9.6020



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



15.8649, 19.1956, 22.9479



26.4603, 33.0402, 40.1898



13.8666, 15.0940, 22.6056



4.4416, 4.8850, 5.4965



11.2953, 16.7647, 21.7254



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.5756, 12.8446, 11.8370



23.7854, 19.8606, 17.1349



16.1818, 16.1266, 12.1577



4.3321, 4.3460, 4.5534



8.8460, 4.5581, 0.5127



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.8643, 19.1948, 22.9475 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 15.8643, 19.1948, 22.9475 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 15.8643, 19.1948, 22.9475

Background



This preview shows how black text looks on a background with the XYZ color 15.8643, 19.1948, 22.9475.



This preview shows how white text looks on a background with the XYZ color 15.8643, 19.1948,

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

15.8643, 19.1948, 22.9475

Protanopia

18.2554, 18.9757, 21.1129

Deuteranopia

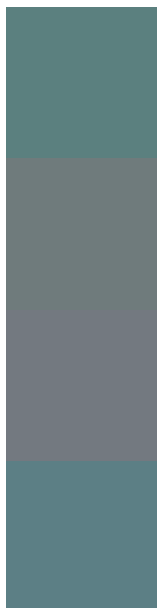
19.3770, 18.9747, 23.4101



Tritanopia

16.6189, 19.3120, 26.5186

Trichromacy



Original Color

15.8643, 19.1948, 22.9475

Protanomaly

17.2766, 19.0007, 21.8257

Deuteranomaly

17.8039, 18.8781, 23.1275

Tritanomaly

16.2366, 19.1475, 25.0304

Monochromacy



Original Color

15.8643, 19.1948, 22.9475

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.4729, 18.2434, 20.7423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8643, 19.1948, 22.9475 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(91, 128, 127)` looks like.

```
.text, #text, p{  
    color:rgb(91, 128, 127)  
}
```

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(91, 128, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 128, 127) }
```

Border

The CSS property to change the border of an element to XYZ 15.8643, 19.1948, 22.9475 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(91, 128, 127) }
```


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

```
.border{ border-color:rgb(91, 128, 127) }
```

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

Here you see how a box with a 4 pixel rgb(91, 128, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 128, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 128, 127);  
box-shadow:4px 4px 4px 4px rgb(91, 128,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8643, 19.1948, 22.9475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 128, 127) }
```

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

```
.background{ background-color: rgb(91, 128,  
127) }
```

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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