

Converting Colors

XYZ(18.8422, 23.9927, 28.4023)

Have a look what the booklet for
XYZ(18.8422, 23.9927, 28.4023)
contains.

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Color

**XYZ(18.8267, 23.9638,
28.4441)**

Conversions

Conversions Part 1

Format	Color
Hex	59908C
RGB	89, 144, 140
RGB Percent	35%, 56%, 55%
CMY	0.6510, 0.4353, 0.4510
CMYK	0.38, 0.00, 0.03, 0.44
HSL	176°, 24%, 46%
HSV	176°, 38%, 56%
XYZ	18.8267, 23.9638, 28.4441
YIQ	127.0990, -31.4960, -12.9040

Conversions

Conversions Part 2

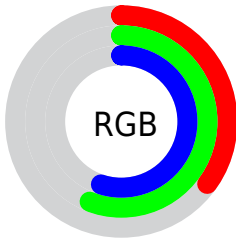
Format	Color
R_{YB}	89, 118, 144
Decimal	5869708
CIE _{Lab}	56.05, -19.10, -3.63
CIE _{LCh}	56, 19.446, 190.744
Yxy	23.9638, 0.2643, 0.3364
Android (android.graphics.Color)	4284059788 (0xFF59908C)
YUV	127.0990, 6.3602, -33.4128
Hunter-Lab	48.9528, -17.0184, -0.1835

Details

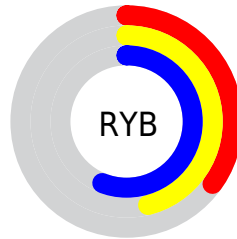
The XYZ color **18.8267, 23.9638, 28.4441** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.0506, 13.8651, 12.1344**, and the grayscale version is **20.1939, 21.2456, 23.1365**.

A 20% lighter version of the original color is **40.9751, 49.9892, 57.9413**, and **6.5591, 8.9790, 11.0603** is the 20% darker color. If you saturate the color by 10%, you get **17.5011, 23.2899, 27.9812**, and if you desaturate by 10%, it is **20.4248, 24.7793, 28.9247**.

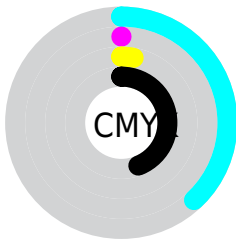
Distribution



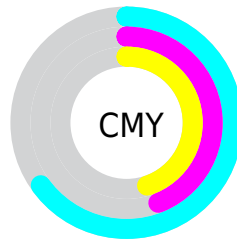
- Red (35%)
- Green (56%)
- Blue (55%)



- Red (35%)
- Yellow (46%)
- Blue (56%)



- Cyan (38%)
- Magenta (0%)
- Yellow (3%)
- Black (44%)



- Cyan (65%)
- Magenta (44%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8267, 23.9638, 28.4441 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 18.8267, 23.9638, 28.4441 by changing the saturation by 10% instead.

■ 18.8267, 23.9638,
28.4441

■ 18.8267, 23.9638,
28.4441

238.4469,
272.6374, 308.5614

■ 11.6484, 15.3068,
18.4187

■ 40.9602, 49.9711,
58.2243

■ 6.5752, 9.0350,
11.0785

■ 56.6461, 68.0902,
78.8162

■ 3.2418, 4.7640,
6.0048

■ 75.8986, 90.1321,
103.7674

■ 1.2829, 2.1095,
2.7792

■ 99.0829, 116.4812,
133.4964

■ 0.1704, 0.6699,
0.9830

126.5646,
147.5219, 168.4218

■ 0.0000, 0.0000,
0.0000

158.7089,

183.6385, 208.9620

195.8812,
225.2156, 255.5357

■ 18.8267, 23.9638,
28.4441

■ 18.8267, 23.9638,
28.4441

■ 17.5011, 23.2899,
27.9812

■ 20.4248, 24.7793,
28.9247

■ 16.4300, 22.7465,
27.5335

■ 22.3079, 25.7410,
29.4219

■ 15.5966, 22.3256,
27.1007

■ 24.4900, 26.8568,
29.9370

■ 14.9813, 22.0171,
26.6819

■ 26.9840, 28.1332,
30.4706

■ 14.5613, 21.8091,
26.2761

■ 29.8017, 29.5765,
31.0231

■ 14.2894, 21.6774,
25.8810

■ 32.9543, 31.1924,
31.5953

■ 14.2437, 21.6553,
25.8102

■ 36.4528, 32.9864,
32.1875

■ 40.3072, 34.9639,
32.8004

■ 44.5275, 37.1298,
33.4342

Harmonies

Analogous

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



18.9718, 23.9638, 22.2566



18.8267, 23.9638, 28.4441



19.6867, 23.9638, 34.9348

Triad

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



18.8267, 23.9638, 28.4441



25.6850, 23.9638, 36.5204



24.2172, 23.9638, 16.1501

Complementary

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



18.8267, 23.9638, 28.4441



17.0506, 13.8651, 12.1344

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.



26.1746, 23.9638, 18.8843



18.8267, 23.9638, 28.4441



27.0594, 23.9638, 30.3456

Square

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



18.8267, 23.9638, 28.4441



23.5838, 23.9638, 40.0772



27.2442, 23.9638, 23.8742



21.9885, 23.9638, 15.8106

Rectangle

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



18.8267, 23.9638, 28.4441



20.7493, 23.9638, 38.3092



27.2442, 23.9638, 23.8742



24.9324, 23.9638, 16.7958

Sweetspot

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



18.8274, 23.9648, 28.4447



41.9692, 46.7412, 52.5210



16.3506, 23.0265, 13.0345



9.5170, 10.6639, 12.0192



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.



18.8274, 23.9648, 28.4447



31.1339, 41.2122, 49.4510



16.0021, 17.8333, 28.9854



5.5436, 6.1097, 6.8283



12.4069, 18.8586, 22.4945



0.1219, 0.1816, 0.2323

Inverse Universe

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



17.0506, 13.8651, 12.1344



27.5342, 20.7288, 16.3912



19.0906, 18.2213, 11.9626



5.4238, 5.4301, 5.7298



10.0697, 5.1849, 0.7524



0.0988, 0.0506, 0.0205

Previews

White Background



This preview shows how the XYZ color 18.8267, 23.9638, 28.4441 looks on a white background.

Color Contrast Check

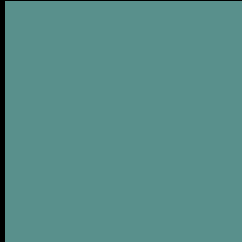
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8267, 23.9638, 28.4441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

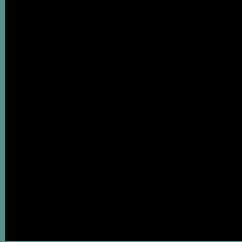
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.8267, 23.9638, 28.4441

Background



This preview shows how black text looks on a background with the XYZ color 18.8267, 23.9638, 28.4441.



This preview shows how white text looks on a background with the XYZ color 18.8267, 23.9638,

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

18.8267, 23.9638, 28.4441

Protanopia

22.8439, 23.7305, 25.9307

Deuteranopia

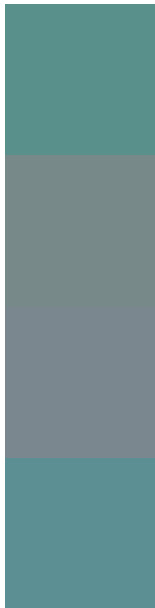
24.2682, 23.7881, 29.2991



Tritanopia

19.9370, 23.9731, 33.7135

Trichromacy



Original Color

18.8267, 23.9638, 28.4441

Protanomaly

20.9973, 23.5908, 26.7394

Deuteranomaly

21.7148, 23.4919, 28.9811

Tritanomaly

19.5814, 24.0584, 31.6287

Monochromacy



Original Color

18.8267, 23.9638, 28.4441

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.3624, 21.9517, 25.0464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8267, 23.9638, 28.4441 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(89, 144, 140)` looks like.

```
.text, #text, p{  
    color:rgb(89, 144, 140)  
}
```

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(89, 144, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 144, 140) }
```

Border

The CSS property to change the border of an element to XYZ 18.8267, 23.9638, 28.4441 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(89, 144, 140) }
```


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

```
.border{ border-color:rgb(89, 144, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 144, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 144, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 144, 140);  
box-shadow:4px 4px 4px 4px rgb(89, 144,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8267, 23.9638, 28.4441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 144, 140) }
```

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

```
.background{ background-color: rgb(89, 144,  
140) }
```

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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