

Converting Colors

XYZ(18.5532, 19.8236, 39.8943)

Have a look what the booklet for
XYZ(18.5532, 19.8236, 39.8943)
contains.

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Color

**XYZ(18.5532, 19.8236,
39.8943)**

Conversions

Conversions Part 1

Format	Color
Hex	587EA8
RGB	88, 126, 168
RGB Percent	35%, 49%, 66%
CMY	0.6549, 0.5059, 0.3412
CMYK	0.48, 0.25, 0.00, 0.34
HSL	211°, 31%, 50%
HSV	211°, 48%, 66%
XYZ	18.5532, 19.8236, 39.8943
YIQ	119.4260, -36.1300, 5.0060

Conversions

Conversions Part 2

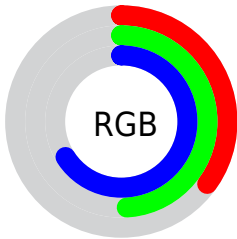
Format	Color
R _Y B	88, 114, 168
Decimal	5799592
CIE Lab	51.64, -1.50, -26.50
CIE LCh	52, 26.540, 266.769
Yxy	19.8236, 0.2370, 0.2533
Android (android.graphics.Color)	4283989672 (0xFF587EA8)
YUV	119.4260, 23.9470, -27.5606
Hunter-Lab	44.5237, -3.5348, -21.9587

Details

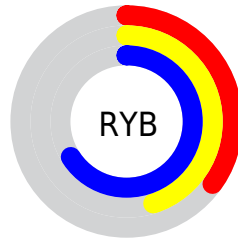
The XYZ color **18.5532, 19.8236, 39.8943** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **25.8930, 24.9951, 12.6929**, and the grayscale version is **17.6048, 18.5216, 20.1700**.

A 20% lighter version of the original color is **40.5947, 43.3187, 76.0338**, and **6.4335, 6.8920, 17.5142** is the 20% darker color. If you saturate the color by 10%, you get **16.0639, 16.9396, 39.4692**, and if you desaturate by 10%, it is **21.5097, 23.0969, 40.3707**.

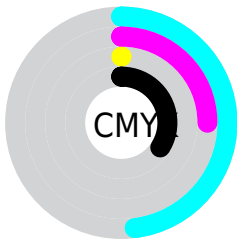
Distribution



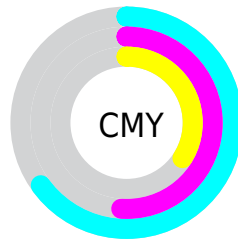
- Red (35%)
- Green (49%)
- Blue (66%)



- Red (35%)
- Yellow (45%)
- Blue (66%)



- Cyan (48%)
- Magenta (25%)
- Yellow (0%)
- Black (34%)



- Cyan (65%)
- Magenta (51%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5532, 19.8236, 39.8943 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 18.5532, 19.8236, 39.8943 by changing the saturation by 10% instead.

■ 18.5532, 19.8236,
39.8943

■ 18.5532, 19.8236,
39.8943

236.9567,
250.9586, 361.2167

■ 11.4500, 12.2669,
27.1430

■ 40.5005, 43.1212,
76.2379

■ 6.4399, 6.9257,
17.4472

■ 56.0752, 59.6309,
100.6672

■ 3.1575, 3.4157,
10.3886

■ 75.2045, 79.8938,
129.8262

■ 1.2376, 1.3524,
5.5484

■ 98.2537, 104.2941,
164.1336

■ 0.1358, 0.1812,
2.5082

125.5882,
133.2164, 204.0078

■ 0.0000, 0.0000,
0.8445

157.5733,

■ 0.0000, 0.0000,

167.0449, 249.8673

0.0000

194.5743,
206.1642, 302.1308

■ 18.5532, 19.8236,
39.8943

■ 18.5532, 19.8236,
39.8943

■ 16.0639, 16.9396,
39.4692

■ 21.5097, 23.0969,
40.3707

■ 14.0119, 14.4244,
39.0919

■ 24.9570, 26.7741,
40.8987

■ 12.3661, 12.2586,
38.7606

■ 28.9194, 30.8717,
41.4808

■ 11.0905, 10.4193,
38.4728

■ 33.4188, 35.4043,
42.1185

■ 10.1280, 8.8729,
38.2250

■ 38.4758, 40.3859,
42.8136

■ 9.9221, 8.5355,
38.1708

■ 44.1099, 45.8298,
43.5674

■ 50.3397, 51.7485,
44.3815

■ 57.1828, 58.1544,
45.2572

■ 64.6561, 65.0589,
46.1961

Harmonies

Analogous

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



16.1602, 19.8236, 36.4069



18.5532, 19.8236, 39.8943



21.2556, 19.8236, 37.5966

Triad

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



18.5532, 19.8236, 39.8943



23.8195, 19.8236, 15.6043



14.8570, 19.8236, 14.4739

Complementary

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



18.5532, 19.8236, 39.8943



25.8930, 24.9951, 12.6929

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.



16.6179, 19.8236, 10.9195



18.5532, 19.8236, 39.8943



21.8047, 19.8236, 11.4554

Square

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



18.5532, 19.8236, 39.8943



24.4603, 19.8236, 22.4258



19.1333, 19.8236, 9.9611



14.1570, 19.8236, 20.7645

Rectangle

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



18.5532, 19.8236, 39.8943



22.8450, 19.8236, 33.3336



19.1333, 19.8236, 9.9611



15.3358, 19.8236, 12.9824

Sweetspot

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



18.5539, 19.8243, 39.8948



55.1113, 58.6955, 75.6498



22.0123, 31.6743, 25.8394



11.6549, 12.4311, 16.4373



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



18.5539, 19.8243, 39.8948



28.9746, 30.5300, 71.5908



14.7101, 11.9476, 38.5770



7.4147, 7.8663, 9.5459



7.5434, 6.5470, 28.8416



0.2350, 0.2623, 0.7189

Inverse Universe

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



23.4046, 16.8112, 21.7508



39.1388, 25.4876, 33.2870



31.6305, 36.8895, 14.6864



7.6739, 7.5994, 8.6000



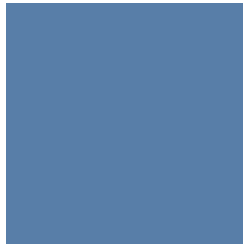
13.3082, 6.7320, 6.4344



0.3498, 0.1742, 0.2934

Previews

White Background



This preview shows how the XYZ color 18.5532, 19.8236, 39.8943 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 18.5532, 19.8236, 39.8943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

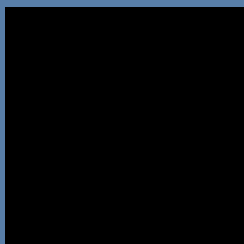
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

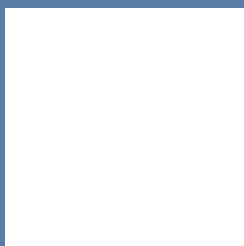
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.5532, 19.8236, 39.8943

Background



This preview shows how black text looks on a background with the XYZ color 18.5532, 19.8236, 39.8943.

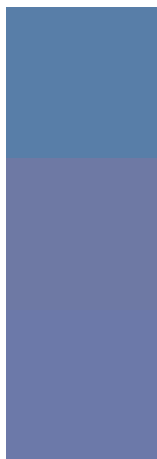


This preview shows how white text looks on a background with the XYZ color 18.5532, 19.8236,

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

18.5532, 19.8236, 39.8943

Protanopia

19.9686, 19.6701, 37.8662

Deuteranopia

20.1831, 19.7275, 40.2801



Tritanopia

16.2323, 19.8612, 28.1774

Trichromacy



Original Color

18.5532, 19.8236, 39.8943

Protanomaly

19.3540, 19.7073, 38.3811

Deuteranomaly

19.6112, 19.7972, 40.3237

Tritanomaly

17.0035, 19.7739, 32.1987

Monochromacy



Original Color

18.5532, 19.8236, 39.8943

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.6592, 18.9134, 26.3868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5532, 19.8236, 39.8943 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, 126, 168)` looks like.

```
.text, #text, p{  
    color:rgb(88, 126, 168)  
}
```

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, 126, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 126, 168) }
```

Border

The CSS property to change the border of an element to XYZ 18.5532, 19.8236, 39.8943 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, 126, 168) }
```


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

```
.border{ border-color:rgb(88, 126, 168) }
```

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

Here you see how a box with a 4 pixel rgb(88, 126, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 126, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 126, 168);  
box-shadow:4px 4px 4px 4px rgb(88, 126,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5532, 19.8236, 39.8943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 126, 168) }
```

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

```
.background{ background-color: rgb(88, 126,  
168) }
```

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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