

Converting Colors

XYZ(18.9791, 22.9298, 39.1780)

Have a look what the booklet for
XYZ(18.9791, 22.9298, 39.1780)
contains.

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Color

**XYZ(18.9173, 22.8892,
39.0183)**

Conversions

Conversions Part 1

Format	Color
Hex	498CA5
RGB	73, 140, 165
RGB Percent	29%, 55%, 65%
CMY	0.7137, 0.4510, 0.3529
CMYK	0.56, 0.15, 0.00, 0.35
HSL	196°, 39%, 47%
HSV	196°, 56%, 65%
XYZ	18.9173, 22.8892, 39.0183
YIQ	122.8170, -47.9570, -6.4290

Conversions

Conversions Part 2

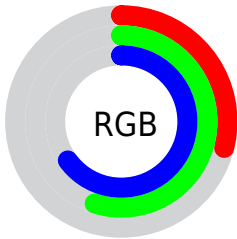
Format	Color
R _Y B	73, 112, 165
Decimal	4820133
CIE Lab	54.96, -13.92, -19.72
CIE LCh	55, 24.138, 234.769
Yxy	22.8892, 0.2341, 0.2832
Android (android.graphics.Color)	4283010213 (0xFF498CA5)
YUV	122.8170, 20.7962, -43.6895
Hunter-Lab	47.8427, -13.1446, -14.8644

Details

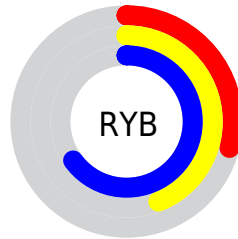
The XYZ color **18.9173, 22.8892, 39.0183** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.0881, 17.2167, 8.5160**, and the grayscale version is **18.7122, 19.6867, 21.4388**.

A 20% lighter version of the original color is **41.2633, 48.4180, 74.8809**, and **6.6368, 8.5046, 16.9145** is the 20% darker color. If you saturate the color by 10%, you get **17.1873, 21.0449, 38.7539**, and if you desaturate by 10%, it is **21.0071, 24.9596, 39.3082**.

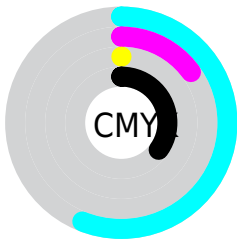
Distribution



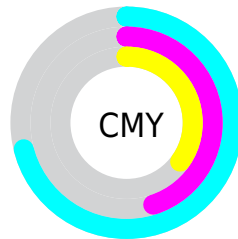
- Red (29%)
- Green (55%)
- Blue (65%)



- Red (29%)
- Yellow (44%)
- Blue (65%)



- Cyan (56%)
- Magenta (15%)
- Yellow (0%)
- Black (35%)



- Cyan (71%)
- Magenta (45%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9173, 22.8892, 39.0183 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 18.9173, 22.8892, 39.0183 by changing the saturation by 10% instead.

■ 18.9173, 22.8892,
39.0183

■ 18.9173, 22.8892,
39.0183

238.9387,
267.1554, 357.3966

■ 11.7142, 14.5117,
26.4660

■ 41.1123, 48.2113,
74.8869

■ 6.6202, 8.4774,
16.9437

■ 56.8348, 65.9248,
99.0404

■ 3.2699, 4.4019,
10.0328

■ 76.1279, 87.5190,
127.8979

■ 1.2981, 1.9008,
5.3148

■ 99.3569, 113.3783,
161.8781

■ 0.1818, 0.5489,
2.3712

■ 126.8871,
143.8873, 201.3996

■ 0.0000, 0.0000,
0.7707

159.0839,

■ 0.0000, 0.0000,

179.4302, 246.8808

0.0000

196.3127,
220.3914, 298.7403

■ 18.9173, 22.8892,
39.0183

■ 18.9173, 22.8892,
39.0183

■ 17.1873, 21.0449,
38.7539

■ 21.0071, 24.9596,
39.3082

■ 15.7878, 19.4097,
38.5121

■ 23.4787, 27.2664,
39.6232

■ 14.6881, 17.9678,
38.2917

■ 26.3550, 29.8223,
39.9649

■ 13.8470, 16.6974,
38.0908

■ 29.6561, 32.6383,
40.3345

■ 13.5277, 16.1889,
38.0095

■ 33.4010, 35.7245,
40.7328

■ 37.6074, 39.0904,
41.1608

■ 42.2919, 42.7451,
41.6193

■ 47.4704, 46.6971,
42.1092

■ 53.1579, 50.9547,
42.6312

Harmonies

Analogous

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



17.4056, 22.8892, 31.6277



18.9173, 22.8892, 39.0183



21.2892, 22.8892, 42.6880

Triad

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



18.9173, 22.8892, 39.0183



27.2986, 22.8892, 26.2918



19.6681, 22.8892, 13.7842

Complementary

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



18.9173, 22.8892, 39.0183



21.0881, 17.2167, 8.5160

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.



22.2285, 22.8892, 12.9295



18.9173, 22.8892, 39.0183



26.7757, 22.8892, 19.2389

Square

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



18.9173, 22.8892, 39.0183



26.2399, 22.8892, 34.4377



24.8643, 22.8892, 14.7105



17.8135, 22.8892, 17.3443

Rectangle

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



18.9173, 22.8892, 39.0183



23.0951, 22.8892, 42.0812



24.8643, 22.8892, 14.7105



20.4687, 22.8892, 13.2064

Sweetspot

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



18.9180, 22.8901, 39.0188



52.1396, 57.6357, 72.1291



18.3862, 29.2004, 16.1083



11.1483, 12.3886, 15.7412



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



18.9180, 22.8901, 39.0188



30.1079, 36.9314, 69.2939



13.5844, 12.2228, 37.2410



7.1126, 7.6842, 9.0114



10.2767, 12.3328, 28.7686



0.2519, 0.3310, 0.6165

Inverse Universe

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



22.6339, 14.6587, 26.4482



37.7809, 21.8960, 42.8963



26.6230, 28.2866, 10.3609



7.2818, 7.1692, 8.4704



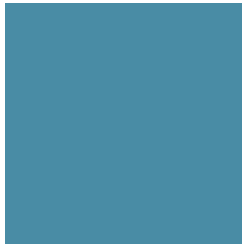
14.3327, 7.0891, 14.2084



0.3193, 0.1562, 0.3941

Previews

White Background



This preview shows how the XYZ color 18.9173, 22.8892, 39.0183 looks on a white background.

Color Contrast Check

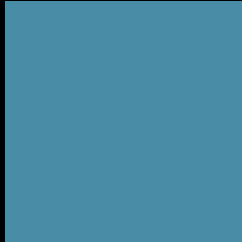
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9173, 22.8892, 39.0183 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

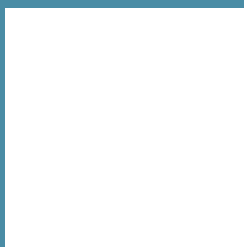
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.9173, 22.8892, 39.0183

Background



This preview shows how black text looks on a background with the XYZ color 18.9173, 22.8892, 39.0183.



This preview shows how white text looks on a background with the XYZ color 18.9173, 22.8892,

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

18.9173, 22.8892, 39.0183

Protanopia

22.6116, 22.7939, 35.5556

Deuteranopia

23.2303, 22.8128, 40.2247



Tritanopia

17.8770, 22.9111, 33.6171

Trichromacy



Original Color

18.9173, 22.8892, 39.0183

Protanomaly

20.9020, 22.6876, 36.9957

Deuteranomaly

21.1883, 22.5683, 39.7986

Tritanomaly

18.1365, 22.7862, 35.3406

Monochromacy



Original Color

18.9173, 22.8892, 39.0183

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.2634, 20.5387, 27.0465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9173, 22.8892, 39.0183 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(73, 140, 165)` looks like.

```
.text, #text, p{  
    color:rgb(73, 140, 165)  
}
```

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(73, 140, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 140, 165) }
```

Border

The CSS property to change the border of an element to XYZ 18.9173, 22.8892, 39.0183 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(73, 140, 165) }
```


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

```
.border{ border-color:rgb(73, 140, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 140, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 140, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 140, 165);  
box-shadow:4px 4px 4px 4px rgb(73, 140,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9173, 22.8892, 39.0183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 140, 165) }
```

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

```
.background{ background-color: rgb(73, 140,  
165) }
```

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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