

Converting Colors

XYZ(19.8946, 23.4087, 39.1432)

Have a look what the booklet for
XYZ(19.8946, 23.4087, 39.1432)
contains.

XYZ(19.8258, 23.3576, 39.0608)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.8258, 23.3576,
39.0608)**

Conversions

Conversions Part 1

Format	Color
Hex	548CA5
RGB	84, 140, 165
RGB Percent	33%, 55%, 65%
CMY	0.6706, 0.4510, 0.3529
CMYK	0.49, 0.15, 0.00, 0.35
HSL	199°, 33%, 49%
HSV	199°, 49%, 65%
XYZ	19.8258, 23.3576, 39.0608
YIQ	126.1060, -41.4010, -4.0970

Conversions

Conversions Part 2

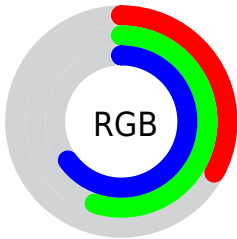
Format	Color
R _Y B	84, 117, 165
Decimal	5541029
CIE Lab	55.44, -11.40, -18.94
CIE LCh	55, 22.104, 238.963
Yxy	23.3576, 0.2411, 0.2840
Android (android.graphics.Color)	4283731109 (0xFF548CA5)
YUV	126.1060, 19.1747, -36.9270
Hunter-Lab	48.3297, -11.3527, -14.0883

Details

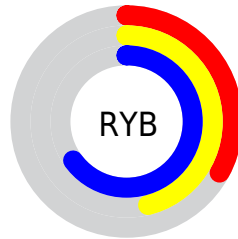
The XYZ color **19.8258, 23.3576, 39.0608** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.5865, 19.5774, 10.9767**, and the grayscale version is **19.8149, 20.8468, 22.7021**.

A 20% lighter version of the original color is **42.6913, 49.1542, 74.9478**, and **7.0628, 8.7242, 16.9345** is the 20% darker color. If you saturate the color by 10%, you get **17.7924, 21.2306, 38.7578**, and if you desaturate by 10%, it is **22.2430, 25.7346, 39.3926**.

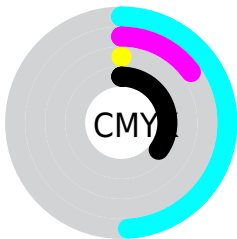
Distribution



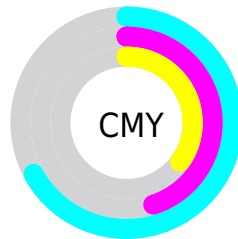
- Red (33%)
- Green (55%)
- Blue (65%)



- Red (33%)
- Yellow (46%)
- Blue (65%)



- Cyan (49%)
- Magenta (15%)
- Yellow (0%)
- Black (35%)



- Cyan (67%)
- Magenta (45%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8258, 23.3576, 39.0608 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 19.8258, 23.3576, 39.0608 by changing the saturation by 10% instead.

■ 19.8258, 23.3576,
39.0608

■ 19.8258, 23.3576,
39.0608

243.8221,
269.5564, 357.5826

■ 12.3760, 14.8578,
26.4988

■ 42.6311, 48.9798,
74.9526

■ 7.0743, 8.7196,
16.9681

■ 58.7173, 66.8711,
99.1194

■ 3.5554, 4.5588,
10.0500

■ 78.4131, 88.6615,
127.9917

■ 1.4538, 1.9908,
5.3261

■ 102.0837,
114.7356, 161.9879

■ 0.2941, 0.6021,
2.3778

■ 130.0946,
145.4778, 201.5265

■ 0.0000, 0.0000,
0.7743

162.8110,

■ 0.0000, 0.0000,

181.2724, 247.0261

0.0000

200.5984,
222.5038, 298.9053

■ 19.8258, 23.3576,
39.0608

■ 19.8258, 23.3576,
39.0608

■ 17.7924, 21.2306,
38.7578

■ 22.2430, 25.7346,
39.3926

■ 16.1154, 19.3372,
38.4808

■ 25.0646, 28.3714,
39.7529

■ 14.7668, 17.6630,
38.2287

■ 28.3123, 31.2803,
40.1432

■ 13.7134, 16.1899,
37.9999

■ 32.0056, 34.4720,
40.5646

■ 12.8888, 14.8831,
37.7911

■ 36.1626, 37.9566,
41.0181

■ 12.8174, 14.7683,
37.7727

■ 40.8006, 41.7434,
41.5045

■ 45.9357, 45.8415,
42.0249

■ 51.5835, 50.2594,
42.5800

■ 57.7586, 55.0054,
43.1706

Harmonies

Analogous

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



18.2749, 23.3576, 32.6557



19.8258, 23.3576, 39.0608



22.1143, 23.3576, 41.7257

Triad

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



19.8258, 23.3576, 39.0608



27.3321, 23.3576, 25.6811



19.9651, 23.3576, 15.2353

Complementary

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



19.8258, 23.3576, 39.0608



22.5865, 19.5774, 10.9767

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.



22.2873, 23.3576, 14.0520



19.8258, 23.3576, 39.0608



26.6519, 23.3576, 19.3616

Square

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



19.8258, 23.3576, 39.0608



26.5543, 23.3576, 33.1654



24.7581, 23.3576, 15.4120



18.3510, 23.3576, 19.0059

Rectangle

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



19.8258, 23.3576, 39.0608



23.7908, 23.3576, 40.7036



24.7581, 23.3576, 15.4120



20.6831, 23.3576, 14.5567

Sweetspot

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



19.8266, 23.3585, 39.0614



53.1314, 58.1395, 72.1741



19.8348, 29.8847, 18.9950



11.3350, 12.4662, 15.7463



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.



19.8266, 23.3585, 39.0614



31.5388, 37.6672, 69.3606



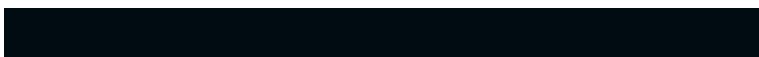
15.0249, 13.7551, 37.4608



7.0908, 7.6406, 9.0041



9.7422, 11.2637, 28.5904



0.2436, 0.3145, 0.6137

Inverse Universe

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



23.4217, 16.2342, 26.7109



39.0221, 24.3793, 43.3070



27.8337, 30.0717, 12.7258



7.2708, 7.1648, 8.4124



14.0629, 6.9812, 12.7875



0.3151, 0.1545, 0.3721

Previews

White Background



This preview shows how the XYZ color 19.8258, 23.3576, 39.0608 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 19.8258, 23.3576, 39.0608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

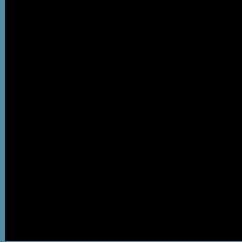
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.8258, 23.3576, 39.0608

Background



This preview shows how black text looks on a background with the XYZ color 19.8258, 23.3576, 39.0608.



This preview shows how white text looks on a background with the XYZ color 19.8258, 23.3576,

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

19.8258, 23.3576, 39.0608

Protanopia

22.9785, 23.1714, 36.0623

Deuteranopia

23.7101, 23.2673, 39.8006



Tritanopia

18.7310, 23.3514, 33.6570

Trichromacy



Original Color

19.8258, 23.3576, 39.0608

Protanomaly

21.5137, 23.0029, 37.0243

Deuteranomaly

21.9636, 23.1829, 39.3935

Tritanomaly

19.0040, 23.2334, 35.3812

Monochromacy



Original Color

19.8258, 23.3576, 39.0608

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.4055, 21.5056, 27.9392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8258, 23.3576, 39.0608 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(84, 140, 165)` looks like.

```
.text, #text, p{  
    color:rgb(84, 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(84, 140, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 140, 165) }
```

Border

The CSS property to change the border of an element to XYZ 19.8258, 23.3576, 39.0608 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(84, 140, 165) }
```


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

```
.border{ border-color:rgb(84, 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(84, 140, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 140, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 140, 165);  
box-shadow:4px 4px 4px 4px rgb(84, 140,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8258, 23.3576, 39.0608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 140, 165) }
```

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

```
.background{ background-color: rgb(84, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor