

Converting Colors

XYZ(19.4942, 23.4418, 38.9911)

Have a look what the booklet for
XYZ(19.4942, 23.4418, 38.9911)
contains.

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Color

**XYZ(19.4583, 23.3861,
39.0857)**

Conversions

Conversions Part 1

Format	Color
Hex	4E8DA5
RGB	78, 141, 165
RGB Percent	31%, 55%, 65%
CMY	0.6941, 0.4470, 0.3529
CMYK	0.53, 0.15, 0.00, 0.35
HSL	197°, 36%, 48%
HSV	197°, 53%, 65%
XYZ	19.4583, 23.3861, 39.0857
YIQ	124.8990, -45.2520, -5.8920

Conversions

Conversions Part 2

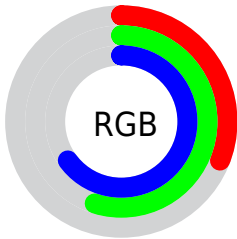
Format	Color
R _Y B	78, 115, 165
Decimal	5148069
CIE Lab	55.47, -13.37, -18.92
CIE LCh	55, 23.164, 234.761
Yxy	23.3861, 0.2375, 0.2854
Android (android.graphics.Color)	4283338149 (0xFF4E8DA5)
YUV	124.8990, 19.7698, -41.1304
Hunter-Lab	48.3592, -12.8054, -14.0690

Details

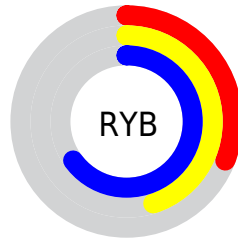
The XYZ color **19.4583, 23.3861, 39.0857** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.6441, 18.0528, 9.5522**, and the grayscale version is **19.4063, 20.4169, 22.2340**.

A 20% lighter version of the original color is **42.1062, 49.1841, 74.9844**, and **6.9028, 8.7678, 16.9513** is the 20% darker color. If you saturate the color by 10%, you get **17.6150, 21.4604, 38.8116**, and if you desaturate by 10%, it is **21.6698, 25.5436, 39.3860**.

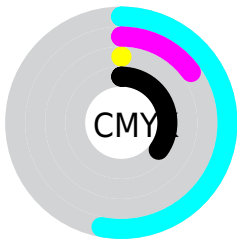
Distribution



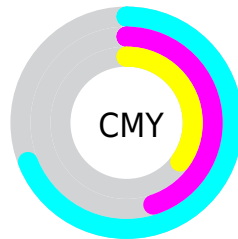
- Red (31%)
- Green (55%)
- Blue (65%)



- Red (31%)
- Yellow (45%)
- Blue (65%)



- Cyan (53%)
- Magenta (15%)
- Yellow (0%)
- Black (35%)



- Cyan (69%)
- Magenta (45%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4583, 23.3861, 39.0857 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 19.4583, 23.3861, 39.0857 by changing the saturation by 10% instead.

■ 19.4583, 23.3861,
39.0857

■ 19.4583, 23.3861,
39.0857

■ 241.8571,
269.7019, 357.6915

■ 12.1079, 14.8789,
26.5181

■ 42.0180, 49.0265,
74.9910

■ 6.8899, 8.7344,
16.9824

■ 57.9580, 66.9285,
99.1657

■ 3.4391, 4.5684,
10.0601

■ 77.4919, 88.7309,
128.0466

■ 1.3900, 1.9963,
5.3327

■ 100.9850,
114.8180, 162.0521

■ 0.2491, 0.6053,
2.3816

■ 128.8027,
145.5742, 201.6008

■ 0.0000, 0.0000,
0.7764

161.3104,

■ 0.0000, 0.0000,

181.3841, 247.1113

0.0000

198.8734,
222.6318, 299.0020

■ 19.4583, 23.3861,
39.0857

■ 19.4583, 23.3861,
39.0857

■ 17.6150, 21.4604,
38.8116

■ 21.6698, 25.5436,
39.3860

■ 16.1116, 19.7498,
38.5606

■ 24.2709, 27.9428,
39.7120

■ 14.9187, 18.2394,
38.3320

■ 27.2837, 30.5962,
40.0654

■ 14.0010, 16.9102,
38.1238

■ 30.7280, 33.5145,
40.4471

■ 13.4463, 16.0260,
37.9823

■ 34.6225, 36.7076,
40.8582

■ 38.9844, 40.1849,
41.2995

■ 43.8302, 43.9554,
41.7719

■ 49.1756, 48.0276,
42.2761

■ 55.0353, 52.4095,
42.8131

Harmonies

Analogous

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



17.9783, 23.3861, 31.9643



19.4583, 23.3861, 39.0857



21.7731, 23.3861, 42.6084

Triad

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



19.4583, 23.3861, 39.0857



27.6044, 23.3861, 26.7974



20.1931, 23.3861, 14.5225

Complementary

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



19.4583, 23.3861, 39.0857



21.6441, 18.0528, 9.5522

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.



22.6888, 23.3861, 13.6729



19.4583, 23.3861, 39.0857



27.0991, 23.3861, 19.9099

Square

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



19.4583, 23.3861, 39.0857



26.5799, 23.3861, 34.6806



25.2483, 23.3861, 15.4431



18.3787, 23.3861, 18.0438

Rectangle

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



19.4583, 23.3861, 39.0857



23.5300, 23.3861, 42.0276



25.2483, 23.3861, 15.4431



20.9745, 23.3861, 13.9482

Sweetspot

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



19.4591, 23.3870, 39.0863



52.7394, 58.1011, 72.1873



18.9564, 29.4740, 17.0541



11.2675, 12.4801, 15.7526



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.



19.4591, 23.3870, 39.0863



31.1259, 37.9727, 69.4413



14.3299, 13.1287, 37.3766



7.1101, 7.6793, 9.0106



10.2154, 12.2102, 28.7482



0.2509, 0.3291, 0.6162

Inverse Universe

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



23.0498, 15.3719, 26.9525



38.5376, 23.1282, 44.0147



26.9724, 28.7093, 11.3283



7.2806, 7.1687, 8.4639



14.3017, 7.0768, 14.0455



0.3188, 0.1560, 0.3916

Previews

White Background



This preview shows how the XYZ color 19.4583, 23.3861, 39.0857 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 19.4583, 23.3861, 39.0857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

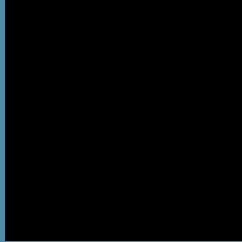
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.4583, 23.3861, 39.0857

Background



This preview shows how black text looks on a background with the XYZ color 19.4583, 23.3861, 39.0857.



This preview shows how white text looks on a background with the XYZ color 19.4583, 23.3861,

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

19.4583, 23.3861, 39.0857

Protanopia

22.8920, 23.1368, 35.6071

Deuteranopia

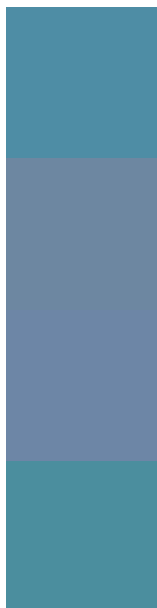
23.7101, 23.2673, 39.8006



Tritanopia

18.4792, 23.4339, 34.1211

Trichromacy



Original Color

19.4583, 23.3861, 39.0857

Protanomaly

21.4037, 23.1524, 37.0590

Deuteranomaly

21.7147, 23.0546, 39.3819

Tritanomaly

18.7462, 23.3105, 35.8591

Monochromacy



Original Color

19.4583, 23.3861, 39.0857

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.0343, 21.3142, 27.9218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4583, 23.3861, 39.0857 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(78, 141, 165)` looks like.

```
.text, #text, p{  
    color:rgb(78, 141, 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(78, 141, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 141, 165) }
```

Border

The CSS property to change the border of an element to XYZ 19.4583, 23.3861, 39.0857 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(78, 141, 165) }
```


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

```
.border{ border-color:rgb(78, 141, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 141, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 141, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 141, 165);  
box-shadow:4px 4px 4px 4px rgb(78, 141,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4583, 23.3861, 39.0857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 141, 165) }
```

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

```
.background{ background-color: rgb(78, 141,  
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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