

Converting Colors

XYZ(11.2636, 10.0881, 39.0633)

Have a look what the booklet for
XYZ(11.2636, 10.0881, 39.0633)
contains.

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Color

**XYZ(11.1968, 10.0043,
38.8770)**

Conversions

Conversions Part 1

Format	Color
Hex	2157A9
RGB	33, 87, 169
RGB Percent	13%, 34%, 66%
CMY	0.8705, 0.6588, 0.3373
CMYK	0.80, 0.49, 0.00, 0.34
HSL	216°, 67%, 40%
HSV	216°, 80%, 66%
XYZ	11.1968, 10.0043, 38.8770
YIQ	80.2020, -58.5060, 14.0540

Conversions

Conversions Part 2

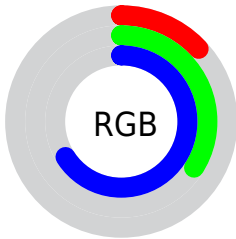
Format	Color
R_{YB}	33, 72, 169
Decimal	2185129
CIE _{Lab}	37.85, 12.99, -49.04
CIE _{LCh}	38, 50.734, 284.840
Yxy	10.0043, 0.1864, 0.1665
Android (android.graphics.Color)	4280375209 (0xFF2157A9)
YUV	80.2020, 43.7774, -41.3962
Hunter-Lab	31.6296, 7.8369, -50.7347

Details

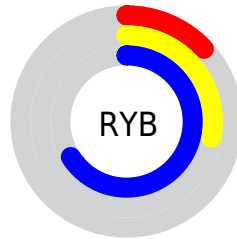
The XYZ color **11.1968, 10.0043, 38.8770** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **22.7689, 20.8088, 4.2561**, and the grayscale version is **7.5906, 7.9859, 8.6966**.

A 20% lighter version of the original color is **27.6503, 25.7539, 74.7478**, and **4.0163, 2.9887, 16.8882** is the 20% darker color. If you saturate the color by 10%, you get **10.0177, 8.2569, 38.6021**, and if you desaturate by 10%, it is **12.7648, 12.1252, 39.2040**.

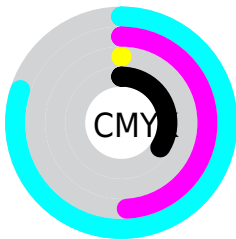
Distribution



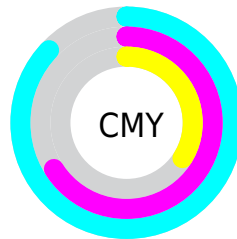
- Red (13%)
- Green (34%)
- Blue (66%)



- Red (13%)
- Yellow (28%)
- Blue (66%)



- Cyan (80%)
- Magenta (49%)
- Yellow (0%)
- Black (34%)



- Cyan (87%)
- Magenta (66%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.1968, 10.0043, 38.8770 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 11.1968, 10.0043, 38.8770 by changing the saturation by 10% instead.

■ 11.1968, 10.0043,
38.8770

■ 11.1968, 10.0043,
38.8770

192.8933,
190.7028, 356.7776

■ 6.2676, 5.4018,
26.3570

■ 27.6532, 25.8036,
74.6686

■ 3.0507, 2.4849,
16.8627

■ 39.9112, 37.7692,
98.7773

■ 1.1806, 0.8691,
9.9757

■ 55.3429, 52.9579,
127.5860

■ 0.0910, 0.0000,
5.2775

■ 74.3135, 71.7542,
161.5131

■ 0.0000, 0.0000,
2.3494

■ 97.1885, 94.5424,
200.9773

■ 0.0000, 0.0000,
0.7587

■ 124.3333,

■ 0.0000, 0.0000,

121.7070, 246.3971

0.0000

156.1131,
153.6323, 298.1910

■ 11.1968, 10.0043,
38.8770

■ 11.1968, 10.0043,
38.8770

■ 10.0177, 8.2569,
38.6021

■ 12.7648, 12.1252,
39.2040

■ 9.1743, 6.8903,
38.3828

■ 14.7608, 14.6463,
39.5854

■ 17.2199, 17.5924,
40.0244

■ 20.1730, 20.9853,
40.5237

■ 23.6481, 24.8454,
41.0856

■ 27.6710, 29.1916,
41.7125

■ 32.2656, 34.0415,
42.4064

■ 37.4545, 39.4119,
43.1695

■ 43.2588, 45.3187,
44.0038

Harmonies

Analogous

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



7.9696, 10.0043, 38.8168



11.1968, 10.0043, 38.8770



14.6178, 10.0043, 29.0945

Triad

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



11.1968, 10.0043, 38.8770



14.6506, 10.0043, 2.5300



4.6710, 10.0043, 6.8587

Complementary

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



11.1968, 10.0043, 38.8770



22.7689, 20.8088, 4.2561

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.



5.7550, 10.0043, 2.5035



11.1968, 10.0043, 38.8770



11.2343, 10.0043, 1.1497

Square

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



11.1968, 10.0043, 38.8770



16.8990, 10.0043, 6.9297



7.9996, 10.0043, 1.1439



4.6654, 10.0043, 16.1365

Rectangle

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



11.1968, 10.0043, 38.8770



16.3424, 10.0043, 20.3850



7.9996, 10.0043, 1.1439



4.9081, 10.0043, 4.9283

Sweetspot

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



11.1973, 10.0046, 38.8773



46.5822, 49.0900, 74.2453



17.8874, 29.9283, 20.9346



9.6216, 10.1245, 16.0992



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.



11.1973, 10.0046, 38.8773



16.6519, 12.6605, 68.7912



8.8600, 4.5480, 37.9472



7.3671, 7.7710, 9.5300



6.8869, 5.2340, 28.6228



0.2178, 0.2278, 0.7131

Inverse Universe

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



18.6268, 10.2115, 10.0062



31.2649, 16.0054, 11.3464



28.0575, 35.4943, 6.8119



7.6499, 7.5898, 8.4734



12.9768, 6.5994, 4.6894



0.3411, 0.1707, 0.2475

Previews

White Background



This preview shows how the XYZ color 11.1968, 10.0043, 38.8770 looks on a white 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 ✓ Pass

Black Background



This preview shows how the XYZ color 11.1968, 10.0043, 38.8770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

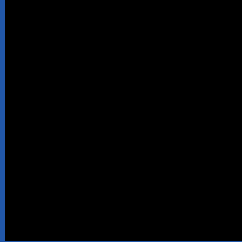
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.1968, 10.0043, 38.8770

Background



This preview shows how black text looks on a background with the XYZ color 11.1968, 10.0043, 38.8770.



This preview shows how white text looks on a background with the XYZ color 11.1968, 10.0043,

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

11.1968, 10.0043, 38.8770

Protanopia

11.4344, 10.0182, 38.3768

Deuteranopia

9.9991, 9.9854, 34.2012



Tritanopia

7.0116, 9.9436, 14.9144

Trichromacy



Original Color

11.1968, 10.0043, 38.8770

Protanomaly

11.2707, 9.9338, 38.3692

Deuteranomaly

10.4186, 10.0348, 36.0381

Tritanomaly

8.1401, 9.8211, 21.8887

Monochromacy



Original Color

11.1968, 10.0043, 38.8770

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

8.0678, 8.4131, 16.5279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.1968, 10.0043, 38.8770 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(33, 87, 169)` looks like.

```
.text, #text, p{  
    color:rgb(33, 87, 169)  
}
```

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(33, 87, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 87, 169) }
```

Border

The CSS property to change the border of an element to XYZ 11.1968, 10.0043, 38.8770 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(33, 87, 169) }
```


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

```
.border{ border-color:rgb(33, 87, 169) }
```

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

Here you see how a box with a 4 pixel rgb(33, 87, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 87, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 87, 169);  
box-shadow:4px 4px 4px 4px rgb(33, 87,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 11.1968, 10.0043, 38.8770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 87, 169) }
```

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

```
.background{ background-color: rgb(33, 87,  
169) }
```

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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