

Converting Colors

XYZ(6.3570, 10.7724, 34.8363)

Have a look what the booklet for
XYZ(6.3570, 10.7724, 34.8363)
contains.

XYZ(11.9211, 13.6899, 35.2718)	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(11.9211, 13.6899,
35.2718)**

Conversions

Conversions Part 1

Format	Color
Hex	006EA0
RGB	0, 110, 160
RGB Percent	0%, 43%, 63%
CMY	0.9999, 0.5686, 0.3725
CMYK	1.00, 0.31, 0.00, 0.37
HSL	199°, 100%, 31%
HSV	199°, 100%, 63%
XYZ	11.9211, 13.6899, 35.2718
YIQ	82.8100, -81.6100, -7.7700

Conversions

Conversions Part 2

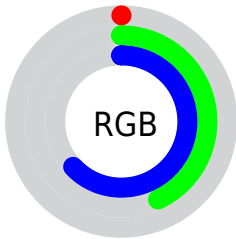
Format	Color
RYB	0, 65, 160
Decimal	28320
CIELab	43.78, -7.41, -34.28
CIELCh	44, 35.072, 257.800
Yxy	13.6899, 0.1958, 0.2249
Android (android.graphics.Color)	4278218400 (0xFF006EA0)
YUV	82.8100, 38.0547, -72.6244
Hunter-Lab	36.9999, -7.2383, -30.6210

Details

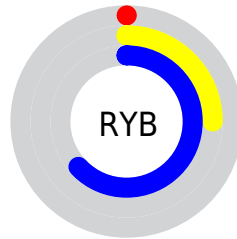
The XYZ color **11.9211, 13.6899, 35.2718** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **15.6393, 9.7574, 1.0599**, and the grayscale version is **8.1224, 8.5454, 9.3060**.

A 20% lighter version of the original color is **28.9411, 32.4223, 69.0227**, and **4.4843, 4.6377, 14.8462** is the 20% darker color. If you saturate the color by 10%, you get **11.9203, 13.6882, 35.2718**, and if you desaturate by 10%, it is **12.6903, 14.9104, 35.4671**.

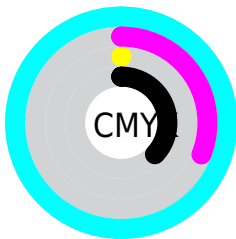
Distribution



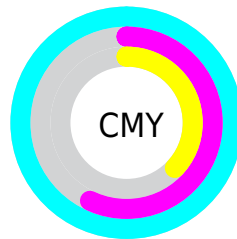
- Red (0%)
- Green (43%)
- Blue (63%)



- Red (0%)
- Yellow (25%)
- Blue (63%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (37%)



- Cyan (100%)
- Magenta (57%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9211, 13.6899, 35.2718 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 11.9211, 13.6899, 35.2718 by changing the saturation by 10% instead.

■ 11.9211, 13.6899,
35.2718

■ 11.9211, 13.6899,
35.2718

197.6628,
215.2931, 340.7071

■ 6.7618, 7.9053,
23.5871

■ 28.9694, 32.5378,
69.0630

■ 3.3586, 4.0344,
14.8182

■ 41.5892, 46.3699,
92.0065

■ 1.3461, 1.6928,
8.5467

■ 57.4264, 63.6532,
119.5400

■ 0.2173, 0.4190,
4.3540

■ 76.8465, 84.7723,
152.0822

■ 0.0000, 0.0000,
1.8215

■ 100.2149,
110.1114, 190.0514

■ 0.0000, 0.0000,
0.4421

■ 127.8968,

■ 0.0000, 0.0000,

140.0549, 233.8662

0.0000

160.2577,
174.9874, 283.9453

■ 11.9211, 13.6899,
35.2718

■ 11.9211, 13.6899,
35.2718

■ 11.9203, 13.6882,
35.2718

■ 12.6903, 14.9104,
35.4671

■ 13.6586, 16.2792,
35.6803

■ 14.8996, 17.8353,
35.9153

■ 16.4447, 19.5955,
36.1736

■ 18.3207, 21.5743,
36.4566

■ 20.5512, 23.7845,
36.7657

■ 23.1575, 26.2377,
37.1018

■ 26.1594, 28.9448,
37.4661

■ 29.5748, 31.9157,
37.8596

Harmonies

Analogous

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



9.7595, 13.6899, 29.2574



11.9211, 13.6899, 35.2718



14.7044, 13.6899, 34.5930

Triad

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



11.9211, 13.6899, 35.2718



18.7541, 13.6899, 10.7217



9.4596, 13.6899, 6.8435

Complementary

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



11.9211, 13.6899, 35.2718



15.6393, 9.7574, 1.0599

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.



11.4544, 13.6899, 4.6054



11.9211, 13.6899, 35.2718



16.9167, 13.6899, 6.2368

Square

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



11.9211, 13.6899, 35.2718



18.9260, 13.6899, 18.3581



14.1672, 13.6899, 4.4318



8.4792, 13.6899, 11.9162

Rectangle

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



11.9211, 13.6899, 35.2718



16.5472, 13.6899, 30.4504



14.1672, 13.6899, 4.4318



10.0197, 13.6899, 5.8261

Sweetspot

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



11.9216, 13.6903, 35.2722



41.7449, 47.3612, 67.3280



13.1052, 25.3556, 7.0019



8.7310, 9.9921, 14.7121



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



11.9216, 13.6903, 35.2722



21.4557, 24.4778, 63.9804



6.8627, 3.5726, 33.5859



6.6468, 7.1594, 8.4383



9.3261, 10.7438, 27.4895



0.2026, 0.2638, 0.5035

Inverse Universe

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



17.3122, 8.6001, 15.4997



31.3374, 15.5757, 27.6383



22.2175, 22.9137, 3.2526



6.8158, 6.7192, 7.8813



13.5056, 6.7068, 12.1795



0.2596, 0.1272, 0.3130

Previews

White Background



This preview shows how the XYZ color 11.9211, 13.6899, 35.2718 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 × Fail

Black Background



This preview shows how the XYZ color 11.9211, 13.6899, 35.2718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

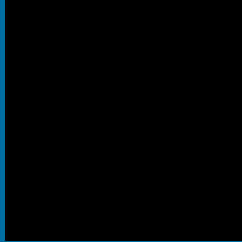
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.9211, 13.6899, 35.2718

Background



This preview shows how black text looks on a background with the XYZ color 11.9211, 13.6899, 35.2718.

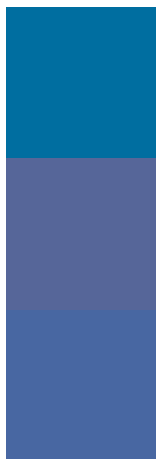


This preview shows how white text looks on a background with the XYZ color 11.9211, 13.6899,

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

11.9211, 13.6899, 35.2718

Protanopia

14.3389, 13.7811, 32.0413

Deuteranopia

14.0443, 13.6868, 36.0840



Tritanopia

9.7059, 13.6915, 20.8701

Trichromacy



Original Color

11.9211, 13.6899, 35.2718

Protanomaly

12.6279, 13.3157, 33.3571

Deuteranomaly

12.7138, 13.4621, 35.6466

Tritanomaly

10.3491, 13.5878, 25.3698

Monochromacy



Original Color

11.9211, 13.6899, 35.2718

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

8.2518, 9.7333, 16.4827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9211, 13.6899, 35.2718 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(0, 110, 160)` looks like.

```
.text, #text, p{  
    color:rgb(0, 110, 160)  
}
```

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(0, 110, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 110, 160) }
```

Border

The CSS property to change the border of an element to XYZ 11.9211, 13.6899, 35.2718 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(0, 110, 160) }
```


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

```
.border{ border-color:rgb(0, 110, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 110, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 110, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 110, 160);  
box-shadow:4px 4px 4px 4px rgb(0, 110,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9211, 13.6899, 35.2718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 110, 160) }
```

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

```
.background{ background-color: rgb(0, 110,  
160) }
```

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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