

Converting Colors

XYZ(11.0911, 12.2939, 34.1813)

Have a look what the booklet for
XYZ(11.0911, 12.2939, 34.1813)
contains.

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Color

**XYZ(11.1219, 12.3693,
34.1491)**

Conversions

Conversions Part 1

Format	Color
Hex	00689E
RGB	0, 104, 158
RGB Percent	0%, 41%, 62%
CMY	0.9999, 0.5922, 0.3804
CMYK	1.00, 0.34, 0.00, 0.38
HSL	201°, 100%, 31%
HSV	201°, 100%, 62%
XYZ	11.1219, 12.3693, 34.1491
YIQ	79.0600, -79.3180, -5.2540

Conversions

Conversions Part 2

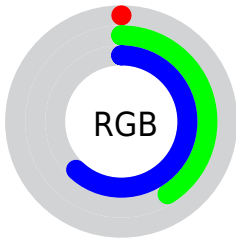
Format	Color
R _Y B	0, 63, 158
Decimal	26782
CIE Lab	41.80, -4.57, -36.23
CIE LCh	42, 36.521, 262.817
Yxy	12.3693, 0.1930, 0.2146
Android (android.graphics.Color)	4278216862 (0xFF00689E)
YUV	79.0600, 38.9174, -69.3356
Hunter-Lab	35.1700, -5.1000, -32.9499

Details

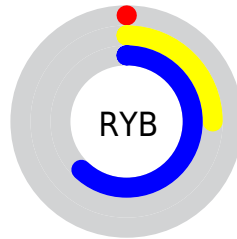
The XYZ color **11.1219, 12.3693, 34.1491** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **15.4212, 9.9100, 1.1008**, and the grayscale version is **7.3836, 7.7681, 8.4595**.

A 20% lighter version of the original color is **27.5693, 30.2252, 67.3318**, and **4.0646, 3.9669, 14.1871** is the 20% darker color. If you saturate the color by 10%, you get **11.1211, 12.3677, 34.1491**, and if you desaturate by 10%, it is **11.8940, 13.6005, 34.3463**.

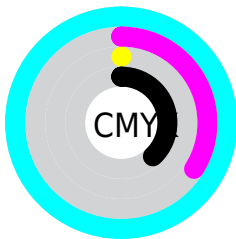
Distribution



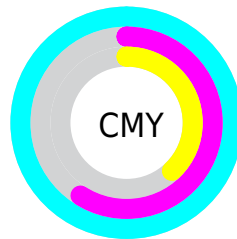
- Red (0%)
- Green (41%)
- Blue (62%)



- Red (0%)
- Yellow (25%)
- Blue (62%)



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (38%)



- Cyan (100%)
- Magenta (59%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.1219, 12.3693, 34.1491 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 11.1219, 12.3693, 34.1491 by changing the saturation by 10% instead.

■ 11.1219, 12.3693,
34.1491

■ 11.1219, 12.3693,
34.1491

192.3930,
206.8351, 335.5858

■ 6.2168, 6.9957,
22.7299

■ 27.5163, 30.1659,
67.3020

■ 3.0193, 3.4594,
14.1908

■ 39.7363, 43.3578,
89.8728

■ 1.1640, 1.3760,
8.1132

■ 55.1253, 59.9245,
116.9978

■ 0.0776, 0.1990,
4.0787

■ 74.0487, 80.2505,
149.0956

■ 0.0000, 0.0000,
1.6686

■ 96.8718, 104.7202,
186.5848

■ 0.0000, 0.0000,
0.3391

■ 123.9600,

■ 0.0000, 0.0000,

133.7179, 229.8839

0.0000

155.6786,
167.6280, 279.4114

■ 11.1219, 12.3693,
34.1491

■ 11.1219, 12.3693,
34.1491

■ 11.1211, 12.3677,
34.1491

■ 11.8940, 13.6005,
34.3463

■ 12.8640, 14.9863,
34.5627

■ 14.1047, 16.5652,
34.8020

■ 15.6464, 18.3537,
35.0660

■ 17.5153, 20.3661,
35.3559

■ 19.7344, 22.6153,
35.6731

■ 22.3246, 25.1126,
36.0186

■ 25.3050, 27.8690,
36.3936

■ 28.6932, 30.8941,
36.7989

Harmonies

Analogous

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



8.9005, 12.3693, 29.0454



11.1219, 12.3693, 34.1491



13.8778, 12.3693, 32.2471

Triad

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



11.1219, 12.3693, 34.1491



17.1955, 12.3693, 8.5033



8.0997, 12.3693, 6.3546

Complementary

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



11.1219, 12.3693, 34.1491



15.4212, 9.9100, 1.1008

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.



9.8635, 12.3693, 3.9106



11.1219, 12.3693, 34.1491



15.1665, 12.3693, 4.7800

Square

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



11.1219, 12.3693, 34.1491



17.6688, 12.3693, 15.4058



12.4151, 12.3693, 3.4711



7.3367, 12.3693, 11.7000

Rectangle

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



11.1219, 12.3693, 34.1491



15.6325, 12.3693, 27.5117



12.4151, 12.3693, 3.4711



8.5810, 12.3693, 5.2645

Sweetspot

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



11.1224, 12.3697, 34.1494



40.2378, 45.3176, 65.3699



12.8627, 24.7083, 7.4215



8.6353, 9.8006, 14.6802



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.



11.1224, 12.3697, 34.1494



20.0041, 22.0762, 61.9502



6.5493, 3.2234, 32.6250



6.6308, 7.1273, 8.4329



8.9444, 9.9803, 27.3622



0.1977, 0.2540, 0.5018

Inverse Universe

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



16.5997, 8.2692, 13.8183



30.0467, 14.9767, 24.5797



22.3076, 23.6828, 3.3963



6.8077, 6.7160, 7.8386



13.3129, 6.6297, 11.1647



0.2571, 0.1262, 0.3000

Previews

White Background



This preview shows how the XYZ color 11.1219, 12.3693, 34.1491 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 11.1219, 12.3693, 34.1491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

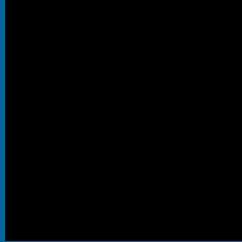
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.1219, 12.3693, 34.1491

Background



This preview shows how black text looks on a background with the XYZ color 11.1219, 12.3693, 34.1491.



This preview shows how white text looks on a background with the XYZ color 11.1219, 12.3693,

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

11.1219, 12.3693, 34.1491

Protanopia

13.1666, 12.4787, 31.4204

Deuteranopia

12.7065, 12.4510, 34.5345



Tritanopia

8.7868, 12.4362, 18.7669

Trichromacy



Original Color

11.1219, 12.3693, 34.1491

Protanomaly

11.7053, 12.1255, 32.2954

Deuteranomaly

11.7484, 12.2419, 34.5446

Tritanomaly

9.5274, 12.3911, 23.7194

Monochromacy



Original Color

11.1219, 12.3693, 34.1491

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

7.5119, 8.7403, 15.4785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.1219, 12.3693, 34.1491 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, 104, 158)` looks like.

```
.text, #text, p{  
    color:rgb(0, 104, 158)  
}
```

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, 104, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 104, 158) }
```

Border

The CSS property to change the border of an element to XYZ 11.1219, 12.3693, 34.1491 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, 104, 158) }
```


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

```
.border{ border-color:rgb(0, 104, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 104, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 104, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 104, 158);  
box-shadow:4px 4px 4px 4px rgb(0, 104,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 11.1219, 12.3693, 34.1491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 104, 158) }
```

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

```
.background{ background-color: rgb(0, 104,  
158) }
```

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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