

Converting Colors

XYZ(10.9986, 12.1089, 34.1505)

Have a look what the booklet for
XYZ(10.9986, 12.1089, 34.1505)
contains.

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Color

**XYZ(11.0218, 12.1691,
34.1157)**

Conversions

Conversions Part 1

Format	Color
Hex	00679E
RGB	0, 103, 158
RGB Percent	0%, 40%, 62%
CMY	0.9999, 0.5961, 0.3804
CMYK	1.00, 0.35, 0.00, 0.38
HSL	201°, 100%, 31%
HSV	201°, 100%, 62%
XYZ	11.0218, 12.1691, 34.1157
YIQ	78.4730, -79.0430, -4.7310

Conversions

Conversions Part 2

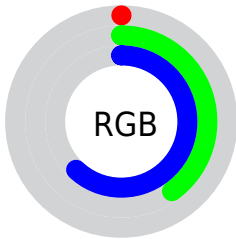
Format	Color
RYB	0, 62, 158
Decimal	26526
CIELab	41.48, -3.95, -36.73
CIELCh	41, 36.942, 263.860
Yxy	12.1691, 0.1923, 0.2124
Android (android.graphics.Color)	4278216606 (0xFF00679E)
YUV	78.4730, 39.2068, -68.8208
Hunter-Lab	34.8842, -4.6497, -33.5648

Details

The XYZ color **11.0218, 12.1691, 34.1157** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **15.4683, 10.0041, 1.1165**, and the grayscale version is **7.2714, 7.6501, 8.3310**.

A 20% lighter version of the original color is **27.4036, 29.8937, 67.2765**, and **4.0646, 3.9669, 14.1871** is the 20% darker color. If you saturate the color by 10%, you get **11.0210, 12.1674, 34.1157**, and if you desaturate by 10%, it is **11.7980, 13.4086, 34.3143**.

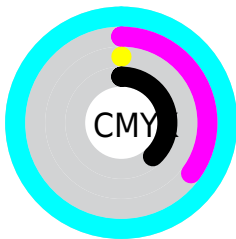
Distribution



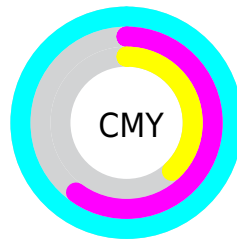
- Red (0%)
- Green (40%)
- Blue (62%)



- Red (0%)
- Yellow (24%)
- Blue (62%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (38%)



- Cyan (100%)
- Magenta (60%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.0218, 12.1691, 34.1157 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 11.0218, 12.1691, 34.1157 by changing the saturation by 10% instead.

■ 11.0218, 12.1691,
34.1157

■ 11.0218, 12.1691,
34.1157

■ 191.7222,
205.5216, 335.4325

■ 6.1489, 6.8589,
22.7044

■ 27.3331, 29.8027,
67.2495

■ 2.9774, 3.3740,
14.1722

■ 39.5021, 42.8950,
89.8091

■ 1.1418, 1.3300,
8.1004

■ 54.8340, 59.3500,
116.9219

■ 0.0597, 0.1642,
4.0706

■ 73.6940, 79.5523,
149.0064

■ 0.0000, 0.0000,
1.6641

■ 96.4474, 103.8862,
186.4812

■ 0.0000, 0.0000,
0.3360

■ 123.4597,

■ 0.0000, 0.0000,

132.7362, 229.7648

0.0000

155.0962,
166.4865, 279.2757

■ 11.0218, 12.1691,
34.1157

■ 11.0218, 12.1691,
34.1157

■ 11.0210, 12.1674,
34.1157

■ 11.7980, 13.4086,
34.3143

■ 12.7734, 14.8050,
34.5324

■ 14.0206, 16.3970,
34.7740

■ 15.5702, 18.2013,
35.0406

■ 17.4483, 20.2321,
35.3336

■ 19.6780, 22.5024,
35.6543

■ 22.2802, 25.0237,
36.0038

■ 25.2739, 27.8068,
36.3832

■ 28.6770, 30.8616,
36.7935

Harmonies

Analogous

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



8.7757, 12.1691, 29.1789



11.0218, 12.1691, 34.1157



13.7878, 12.1691, 31.9443

Triad

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



11.0218, 12.1691, 34.1157



16.9722, 12.1691, 8.1149



7.8712, 12.1691, 6.2920

Complementary

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



11.0218, 12.1691, 34.1157



15.4683, 10.0041, 1.1165

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.



9.5973, 12.1691, 3.7940



11.0218, 12.1691, 34.1157



14.8936, 12.1691, 4.5250

Square

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



11.0218, 12.1691, 34.1157



17.5104, 12.1691, 14.8988



12.1286, 12.1691, 3.3036



7.1474, 12.1691, 11.7277

Rectangle

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



11.0218, 12.1691, 34.1157



15.5342, 12.1691, 27.0618



12.1286, 12.1691, 3.3036



8.3392, 12.1691, 5.1808

Sweetspot

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



11.0223, 12.1695, 34.1160



40.1556, 45.1532, 65.3425



12.8627, 24.7082, 7.4215



8.6148, 9.7595, 14.6734



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.



11.0223, 12.1695, 34.1160



19.8211, 21.7101, 61.8892



6.5493, 3.2235, 32.6250



6.6273, 7.1203, 8.4317



8.8644, 9.8204, 27.3356



0.1966, 0.2519, 0.5015

Inverse Universe

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



16.5492, 8.2490, 13.5522



29.9543, 14.9398, 24.0932



22.3076, 23.6828, 3.3963



6.8060, 6.7153, 7.8294



13.2726, 6.6136, 10.9523



0.2566, 0.1260, 0.2972

Previews

White Background



This preview shows how the XYZ color 11.0218, 12.1691, 34.1157 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 11.0218, 12.1691, 34.1157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

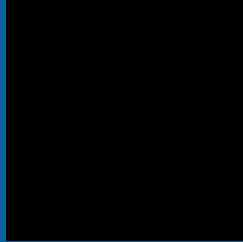
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.0218, 12.1691, 34.1157

Background



This preview shows how black text looks on a background with the XYZ color 11.0218, 12.1691, 34.1157.



This preview shows how white text looks on a background with the XYZ color 11.0218, 12.1691,

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

11.0218, 12.1691, 34.1157

Protanopia

12.9109, 12.2105, 31.3821

Deuteranopia

12.4892, 12.1992, 34.4973



Tritanopia

8.6795, 12.2216, 18.7312

Trichromacy



Original Color

11.0218, 12.1691, 34.1157

Protanomaly

11.5612, 11.9097, 32.2613

Deuteranomaly

11.6145, 12.0296, 34.5107

Tritanomaly

9.4226, 12.1813, 23.6844

Monochromacy



Original Color

11.0218, 12.1691, 34.1157

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

7.3774, 8.5560, 15.1726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.0218, 12.1691, 34.1157 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, 103, 158)` looks like.

```
.text, #text, p{  
    color:rgb(0, 103, 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, 103, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 103, 158) }
```

Border

The CSS property to change the border of an element to XYZ 11.0218, 12.1691, 34.1157 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, 103, 158) }
```


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

```
.border{ border-color:rgb(0, 103, 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, 103, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 103, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 103, 158);  
box-shadow:4px 4px 4px 4px rgb(0, 103,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 11.0218, 12.1691, 34.1157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 103, 158) }
```

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

```
.background{ background-color: rgb(0, 103,  
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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