

Converting Colors

XYZ(10.0931, 14.2219, 27.6748)

Have a look what the booklet for
XYZ(10.0931, 14.2219, 27.6748)
contains.

XYZ(11.3609, 14.9099, 27.8703)	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(11.3609, 14.9099,
27.8703)**

Conversions

Conversions Part 1

Format	Color
Hex	00768E
RGB	0, 118, 142
RGB Percent	0%, 46%, 56%
CMY	0.9999, 0.5372, 0.4431
CMYK	1.00, 0.17, 0.00, 0.44
HSL	190°, 100%, 28%
HSV	190°, 100%, 56%
XYZ	11.3609, 14.9099, 27.8703
YIQ	85.4540, -78.0320, -17.5520

Conversions

Conversions Part 2

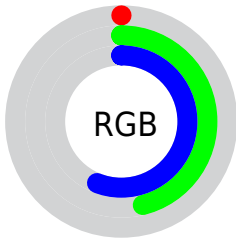
Format	Color
RYB	0, 64, 142
Decimal	30350
CIELab	45.51, -18.83, -20.93
CIELCh	46, 28.159, 228.023
Yxy	14.9099, 0.2098, 0.2754
Android (android.graphics.Color)	4278220430 (0xFF00768E)
YUV	85.4540, 27.8772, -74.9432
Hunter-Lab	38.6133, -15.0547, -15.7649

Details

The XYZ color **11.3609, 14.9099, 27.8703** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **11.4825, 6.4048, 0.6315**, and the grayscale version is **8.6861, 9.1385, 9.9518**.

A 20% lighter version of the original color is **27.9058, 34.5740, 57.4272**, and **4.0599, 5.0290, 10.8819** is the 20% darker color. If you saturate the color by 10%, you get **11.3609, 14.9097, 27.8706**, and if you desaturate by 10%, it is **11.8319, 15.5780, 27.9747**.

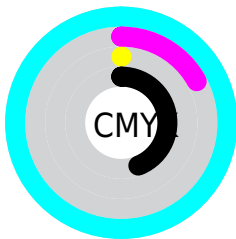
Distribution



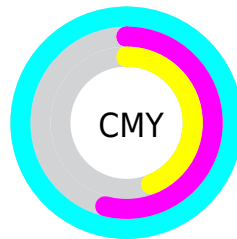
- Red (0%)
- Green (46%)
- Blue (56%)



- Red (0%)
- Yellow (25%)
- Blue (56%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (44%)



- Cyan (100%)
- Magenta (54%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.3609, 14.9099, 27.8703 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 11.3609, 14.9099, 27.8703 by changing the saturation by 10% instead.

■ 11.3609, 14.9099,
27.8703

■ 11.3609, 14.9099,
27.8703

193.9847,
222.8202, 305.7391

■ 6.3792, 8.7562,
17.9897

■ 27.9527, 34.6950,
57.2979

■ 3.1198, 4.5825,
10.7732

■ 40.2935, 49.0952,
77.6820

■ 1.2175, 2.0044,
5.8023

■ 55.8181, 67.0131,
102.4044

■ 0.1201, 0.6101,
2.6584

■ 74.8918, 88.8329,
131.8836

■ 0.0000, 0.0000,
0.9224

■ 97.8799, 114.9391,
166.5381

■ 0.0000, 0.0000,
0.0000

■ 125.1479,

145.7162, 206.7865

157.0610,
181.5484, 253.0473

■ 11.3609, 14.9099,
27.8703

■ 11.3609, 14.9099,
27.8703

■ 11.3609, 14.9097,
27.8706

■ 11.8319, 15.5780,
27.9747

■ 12.4313, 16.3227,
28.0869

■ 13.2221, 17.1769,
28.2101

■ 14.2269, 18.1524,
28.3454

■ 15.4653, 19.2592,
28.4938

■ 16.9546, 20.5065,
28.6560

■ 18.7103, 21.9023,
28.8329

■ 20.7468, 23.4540,
29.0251

■ 23.0774, 25.1685,
29.2332

Harmonies

Analogous

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



10.2967, 14.9099, 20.5731



11.3609, 14.9099, 27.8703



13.2549, 14.9099, 32.4545

Triad

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



11.3609, 14.9099, 27.8703



19.0632, 14.9099, 19.0684



12.8198, 14.9099, 6.7809

Complementary

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



11.3609, 14.9099, 27.8703



11.4825, 6.4048, 0.6315

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.



15.1292, 14.9099, 6.5856



11.3609, 14.9099, 27.8703



18.9134, 14.9099, 12.5530

Square

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



11.3609, 14.9099, 27.8703



17.8002, 14.9099, 26.5101



17.4110, 14.9099, 8.3936



11.0727, 14.9099, 9.0304

Rectangle

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



11.3609, 14.9099, 27.8703



14.8110, 14.9099, 32.7009



17.4110, 14.9099, 8.3936



13.5505, 14.9099, 6.5010

Sweetspot

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



11.3614, 14.9104, 27.8707



32.7825, 38.4579, 50.8232



9.8349, 19.4110, 4.0752



7.0569, 8.3813, 11.3252



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



11.3614, 14.9104, 27.8707



19.9303, 26.0849, 49.1123



5.9131, 4.0138, 26.0546



5.4838, 5.9633, 6.8908



10.2118, 13.4095, 25.0272



0.1109, 0.1548, 0.2437

Inverse Universe

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



14.4258, 7.0593, 17.7424



25.3855, 12.4266, 31.0104



15.2183, 13.8765, 1.8768



5.5877, 5.4956, 6.5926



12.9575, 6.3400, 15.9596



0.1306, 0.0633, 0.1879

Previews

White Background



This preview shows how the XYZ color 11.3609, 14.9099, 27.8703 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 11.3609, 14.9099, 27.8703 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 11.3609, 14.9099, 27.8703

Background



This preview shows how black text looks on a background with the XYZ color 11.3609, 14.9099, 27.8703.

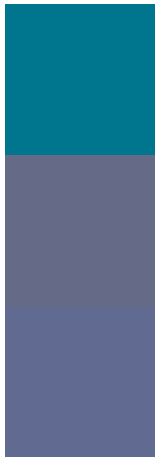


This preview shows how white text looks on a background with the XYZ color 11.3609, 14.9099,

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

11.3609, 14.9099, 27.8703

Protanopia

14.8239, 14.7960, 24.6289

Deuteranopia

15.1946, 14.8938, 28.8620



Tritanopia

10.6789, 15.0179, 23.1048

Trichromacy



Original Color

11.3609, 14.9099, 27.8703

Protanomaly

12.2056, 14.0480, 25.7351

Deuteranomaly

12.5966, 14.1896, 28.4605

Tritanomaly

10.8999, 14.9149, 24.8586

Monochromacy



Original Color

11.3609, 14.9099, 27.8703

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

8.3975, 10.3743, 15.1955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.3609, 14.9099, 27.8703 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, 118, 142)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 142)  
}
```

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, 118, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 142) }
```

Border

The CSS property to change the border of an element to XYZ 11.3609, 14.9099, 27.8703 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, 118, 142) }
```


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

```
.border{ border-color:rgb(0, 118, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 118, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 142);  
box-shadow:4px 4px 4px 4px rgb(0, 118,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 11.3609, 14.9099, 27.8703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 118, 142) }
```

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

```
.background{ background-color: rgb(0, 118,  
142) }
```

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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