

Converting Colors

XYZ(10.9941, 14.5102, 27.2452)

Have a look what the booklet for
XYZ(10.9941, 14.5102, 27.2452)
contains.

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Color

**XYZ(11.1690, 14.6457,
27.4375)**

Conversions

Conversions Part 1

Format	Color
Hex	00758D
RGB	0, 117, 141
RGB Percent	0%, 46%, 55%
CMY	0.9999, 0.5412, 0.4471
CMYK	1.00, 0.17, 0.00, 0.45
HSL	190°, 100%, 28%
HSV	190°, 100%, 55%
XYZ	11.1690, 14.6457, 27.4375
YIQ	84.7530, -77.4360, -17.3400

Conversions

Conversions Part 2

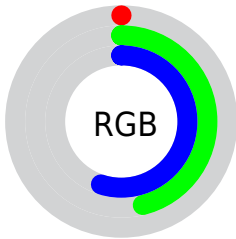
Format	Color
RYB	0, 64, 141
Decimal	30093
CIELab	45.15, -18.65, -20.90
CIELCh	45, 28.015, 228.256
Yxy	14.6457, 0.2097, 0.2750
Android (android.graphics.Color)	4278220173 (0xFF00758D)
YUV	84.7530, 27.7298, -74.3284
Hunter-Lab	38.2697, -14.8768, -15.7192

Details

The XYZ color **11.1690, 14.6457, 27.4375** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **11.3117, 6.3168, 0.6236**, and the grayscale version is **8.5399, 8.9847, 9.7843**.

A 20% lighter version of the original color is **27.6056, 34.1551, 56.7674**, and **3.9554, 4.8896, 10.6328** is the 20% darker color. If you saturate the color by 10%, you get **11.1689, 14.6454, 27.4377**, and if you desaturate by 10%, it is **11.6355, 15.3070, 27.5408**.

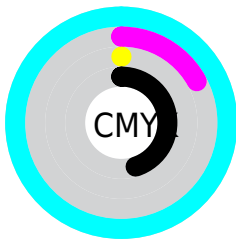
Distribution



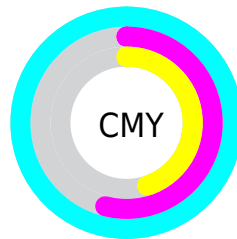
- Red (0%)
- Green (46%)
- Blue (55%)



- Red (0%)
- Yellow (25%)
- Blue (55%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (45%)



- Cyan (100%)
- Magenta (54%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.1690, 14.6457, 27.4375 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 11.1690, 14.6457, 27.4375 by changing the saturation by 10% instead.

■ 11.1690, 14.6457,
27.4375

■ 11.1690, 14.6457,
27.4375

192.7078,
221.2116, 303.5961

■ 6.2488, 8.5711,
17.6667

■ 27.6024, 34.2304,
56.5974

■ 3.0390, 4.4625,
10.5440

■ 39.8464, 48.5093,
76.8235

■ 1.1744, 1.9355,
5.6508

■ 55.2622, 66.2918,
101.3719

■ 0.0860, 0.5696,
2.5686

■ 74.2153, 87.9623,
130.6611

■ 0.0000, 0.0000,
0.8762

■ 97.0711, 113.9051,
165.1096

■ 0.0000, 0.0000,
0.0000

■ 124.1948,

144.5047, 205.1359

155.9520,
180.1454, 251.1585

■ 11.1690, 14.6457,
27.4375

■ 11.1690, 14.6457,
27.4375

■ 11.1689, 14.6454,
27.4377

■ 11.6355, 15.3070,
27.5408

■ 12.2279, 16.0436,
27.6518

■ 13.0087, 16.8882,
27.7737

■ 14.0003, 17.8523,
27.9075

■ 15.2217, 18.9458,
28.0542

■ 16.6901, 20.1777,
28.2146

■ 18.4206, 21.5558,
28.3894

■ 20.4274, 23.0875,
28.5792

■ 22.7234, 24.7795,
28.7848

Harmonies

Analogous

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



10.1159, 14.6457, 20.2701



11.1690, 14.6457, 27.4375



13.0362, 14.6457, 31.9131

Triad

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



11.1690, 14.6457, 27.4375



18.7345, 14.6457, 18.6767



12.5755, 14.6457, 6.6640

Complementary

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



11.1690, 14.6457, 27.4375



11.3117, 6.3168, 0.6236

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.



14.8435, 14.6457, 6.4572



11.1690, 14.6457, 27.4375



18.5758, 14.6457, 12.2864

Square

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



11.1690, 14.6457, 27.4375



17.5021, 14.6457, 25.9971



17.0899, 14.6457, 8.2175



10.8639, 14.6457, 8.8915

Rectangle

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



11.1690, 14.6457, 27.4375



14.5675, 14.6457, 32.1269



17.0899, 14.6457, 8.2175



13.2925, 14.6457, 6.3840

Sweetspot

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



11.1695, 14.6462, 27.4379



32.7697, 38.4323, 50.8189



9.6851, 19.1140, 4.0169



7.0537, 8.3749, 11.3242



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.



11.1695, 14.6462, 27.4379



19.8944, 26.0131, 49.1003



5.8250, 3.9572, 25.6564



5.4832, 5.9623, 6.8906



10.1938, 13.3736, 25.0212



0.1108, 0.1546, 0.2437

Inverse Universe

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



14.1958, 6.9476, 17.4230



25.3674, 12.4194, 30.9149



14.9880, 13.6694, 1.8490



5.5874, 5.4955, 6.5912



12.9485, 6.3364, 15.9119



0.1305, 0.0633, 0.1876

Previews

White Background



This preview shows how the XYZ color 11.1690, 14.6457, 27.4375 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 11.1690, 14.6457, 27.4375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

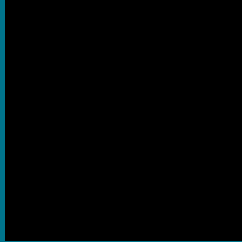
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.1690, 14.6457, 27.4375

Background



This preview shows how black text looks on a background with the XYZ color 11.1690, 14.6457, 27.4375.

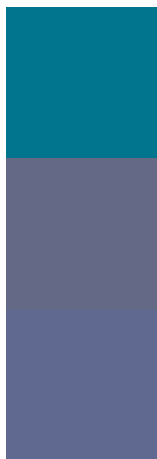


This preview shows how white text looks on a background with the XYZ color 11.1690, 14.6457,

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

11.1690, 14.6457, 27.4375

Protanopia

14.5407, 14.5059, 24.2238

Deuteranopia

14.9095, 14.6036, 28.4185



Tritanopia

10.4931, 14.7522, 22.7165

Trichromacy



Original Color

11.1690, 14.6457, 27.4375

Protanomaly

12.0269, 13.8048, 25.3233

Deuteranomaly

12.3510, 13.9125, 28.0210

Tritanomaly

10.7121, 14.6503, 24.4535

Monochromacy



Original Color

11.1690, 14.6457, 27.4375

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

8.3458, 10.3536, 14.9232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.1690, 14.6457, 27.4375 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, 117, 141)` looks like.

```
.text, #text, p{  
  color:rgb(0, 117, 141)  
}
```

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, 117, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 141) }
```

Border

The CSS property to change the border of an element to XYZ 11.1690, 14.6457, 27.4375 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, 117, 141) }
```


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

```
.border{ border-color:rgb(0, 117, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 117, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 117, 141);  
box-shadow:4px 4px 4px 4px rgb(0, 117,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 11.1690, 14.6457, 27.4375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 117, 141) }
```

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

```
.background{ background-color: rgb(0, 117,  
141) }
```

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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