

Converting Colors

XYZ(10.8140, 14.6562, 30.3206)

Have a look what the booklet for
XYZ(10.8140, 14.6562, 30.3206)
contains.

XYZ(11.8237, 15.0950, 30.3074)	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(11.8237, 15.0950,
30.3074)**

Conversions

Conversions Part 1

Format	Color
Hex	007694
RGB	0, 118, 148
RGB Percent	0%, 46%, 58%
CMY	0.9999, 0.5372, 0.4196
CMYK	1.00, 0.20, 0.00, 0.42
HSL	192°, 100%, 29%
HSV	192°, 100%, 58%
XYZ	11.8237, 15.0950, 30.3074
YIQ	86.1380, -79.9580, -15.6860

Conversions

Conversions Part 2

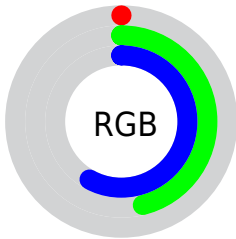
Format	Color
RYB	0, 66, 148
Decimal	30356
CIELab	45.76, -16.63, -24.10
CIELCh	46, 29.275, 235.394
Yxy	15.0950, 0.2066, 0.2638
Android (android.graphics.Color)	4278220436 (0xFF007694)
YUV	86.1380, 30.4980, -75.5430
Hunter-Lab	38.8523, -13.6696, -19.0536

Details

The XYZ color **11.8237, 15.0950, 30.3074** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **12.6777, 7.2255, 0.7270**, and the grayscale version is **8.8255, 9.2851, 10.1115**.

A 20% lighter version of the original color is **28.6916, 34.8985, 61.1010**, and **4.3478, 5.2434, 12.0922** is the 20% darker color. If you saturate the color by 10%, you get **11.8235, 15.0945, 30.3076**, and if you desaturate by 10%, it is **12.3770, 15.9134, 30.4365**.

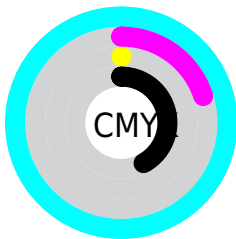
Distribution



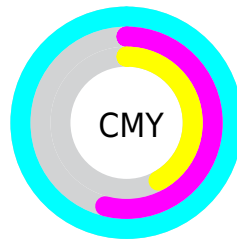
- Red (0%)
- Green (46%)
- Blue (58%)



- Red (0%)
- Yellow (26%)
- Blue (58%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (42%)



- Cyan (100%)
- Magenta (54%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8237, 15.0950, 30.3074 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 11.8237, 15.0950, 30.3074 by changing the saturation by 10% instead.

■ 11.8237, 15.0950,
30.3074

■ 11.8237, 15.0950,
30.3074

197.0285,
223.9405, 317.5865

■ 6.6951, 8.8861,
19.8180

■ 28.7933, 35.0198,
61.2147

■ 3.3168, 4.6670,
12.0801

■ 41.3649, 49.5044,
82.4697

■ 1.3234, 2.0532,
6.6750

■ 57.1483, 67.5164,
108.1503

■ 0.2006, 0.6381,
3.1844

■ 76.5087, 89.4401,
138.6751

■ 0.0000, 0.0000,
1.1895

■ 99.8116, 115.6600,
174.4625

■ 0.0000, 0.0000,
0.0000

■ 127.4223,

146.5604, 215.9312

159.7061,
182.5258, 263.4997

■ 11.8237, 15.0950,
30.3074

■ 11.8237, 15.0950,
30.3074

■ 11.8235, 15.0945,
30.3076

■ 12.3770, 15.9134,
30.4365

■ 13.0777, 16.8243,
30.5754

■ 13.9919, 17.8623,
30.7276

■ 15.1450, 19.0407,
30.8942

■ 16.5588, 20.3707,
31.0764

■ 18.2525, 21.8623,
31.2751

■ 20.2434, 23.5248,
31.4911

■ 22.5473, 25.3663,
31.7251

■ 25.1790, 27.3947,
31.9779

Harmonies

Analogous

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



10.4823, 15.0950, 22.9609



11.8237, 15.0950, 30.3074



13.9706, 15.0950, 33.9875

Triad

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



11.8237, 15.0950, 30.3074



19.6010, 15.0950, 17.5487



12.4119, 15.0950, 6.9799

Complementary

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



11.8237, 15.0950, 30.3074



12.6777, 7.2255, 0.7270

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.



14.7308, 15.0950, 6.2889



11.8237, 15.0950, 30.3074



19.0618, 15.0950, 11.2814

Square

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



11.8237, 15.0950, 30.3074



18.6062, 15.0950, 25.3986



17.2067, 15.0950, 7.6132



10.7937, 15.0950, 9.8770

Rectangle

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



11.8237, 15.0950, 30.3074



15.6408, 15.0950, 33.2743



17.2067, 15.0950, 7.6132



13.1273, 15.0950, 6.5250

Sweetspot

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



11.8242, 15.0955, 30.3078



35.4875, 41.3195, 55.5397



10.8197, 21.2719, 4.7383



7.7823, 9.1692, 12.6445



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



11.8242, 15.0955, 30.3078



20.7377, 26.3851, 53.4344



6.2618, 3.9706, 28.4536



5.8653, 6.3646, 7.3891



10.1185, 12.9319, 25.8938



0.1442, 0.1989, 0.3237

Inverse Universe

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



15.4832, 7.6044, 17.7918



27.2557, 13.3916, 31.0604



17.1237, 16.1175, 2.2090



5.9855, 5.8892, 7.0296



13.2345, 6.4988, 15.2475



0.1722, 0.0836, 0.2406

Previews

White Background



This preview shows how the XYZ color 11.8237, 15.0950, 30.3074 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 11.8237, 15.0950, 30.3074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

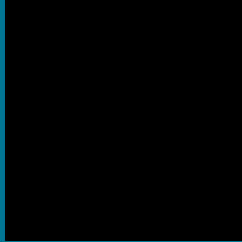
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.8237, 15.0950, 30.3074

Background



This preview shows how black text looks on a background with the XYZ color 11.8237, 15.0950, 30.3074.

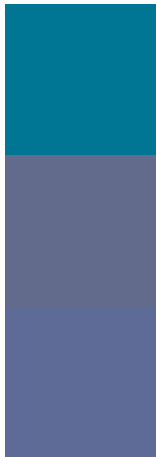


This preview shows how white text looks on a background with the XYZ color 11.8237, 15.0950,

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

11.8237, 15.0950, 30.3074

Protanopia

15.1369, 15.0615, 26.9203

Deuteranopia

15.4597, 15.1294, 31.3836



Tritanopia

10.7457, 15.0446, 23.4566

Trichromacy



Original Color

11.8237, 15.0950, 30.3074

Protanomaly

12.6923, 14.4088, 28.0988

Deuteranomaly

13.0529, 14.5315, 30.9711

Tritanomaly

11.1122, 14.9998, 25.9765

Monochromacy



Original Color

11.8237, 15.0950, 30.3074

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

8.7035, 10.6517, 16.0653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8237, 15.0950, 30.3074 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, 148)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 148)  
}
```

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, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 148) }
```

Border

The CSS property to change the border of an element to XYZ 11.8237, 15.0950, 30.3074 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, 148) }
```


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

```
.border{ border-color:rgb(0, 118, 148) }
```

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, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 118,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8237, 15.0950, 30.3074 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, 148) }
```

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

```
.background{ background-color: rgb(0, 118,  
148) }
```

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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