

Converting Colors

XYZ(8.8905, 12.9068, 31.3021)

Have a look what the booklet for
XYZ(8.8905, 12.9068, 31.3021)
contains.

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Color

**XYZ(11.6032, 14.2690,
31.4208)**

Conversions

Conversions Part 1

Format	Color
Hex	007297
RGB	0, 114, 151
RGB Percent	0%, 45%, 59%
CMY	0.9999, 0.5529, 0.4078
CMYK	1.00, 0.25, 0.00, 0.41
HSL	195°, 100%, 30%
HSV	195°, 100%, 59%
XYZ	11.6032, 14.2690, 31.4208
YIQ	84.1320, -79.8210, -12.6610

Conversions

Conversions Part 2

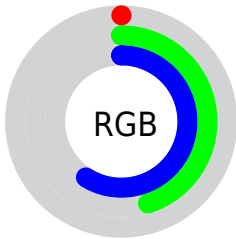
Format	Color
RYB	0, 65, 151
Decimal	29335
CIELab	44.62, -13.24, -27.65
CIELCh	45, 30.660, 244.416
Yxy	14.2690, 0.2025, 0.2491
Android (android.graphics.Color)	4278219415 (0xFF007297)
YUV	84.1320, 32.9659, -73.7838
Hunter-Lab	37.7743, -11.2750, -22.8756

Details

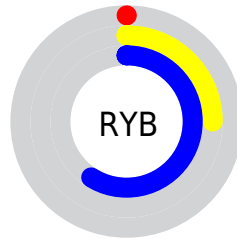
The XYZ color **11.6032, 14.2690, 31.4208** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **13.4249, 7.9038, 0.8186**, and the grayscale version is **8.4014, 8.8389, 9.6255**.

A 20% lighter version of the original color is **28.4020, 33.6115, 62.7483**, and **4.2485, 4.8165, 12.7624** is the 20% darker color. If you saturate the color by 10%, you get **11.6029, 14.2682, 31.4210**, and if you desaturate by 10%, it is **12.2283, 15.2237, 31.5724**.

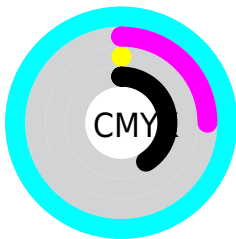
Distribution



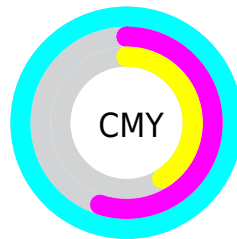
- Red (0%)
- Green (45%)
- Blue (59%)



- Red (0%)
- Yellow (25%)
- Blue (59%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (41%)



- Cyan (100%)
- Magenta (55%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6032, 14.2690, 31.4208 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 11.6032, 14.2690, 31.4208 by changing the saturation by 10% instead.

■ 11.6032, 14.2690,
31.4208

■ 11.6032, 14.2690,
31.4208

■ 195.5844,
218.8979, 322.8833

■ 6.5444, 8.3080,
20.6583

■ 28.3935, 33.5656,
62.9893

■ 3.2226, 4.2927,
12.6857

■ 40.8557, 47.6699,
84.6324

■ 1.2725, 1.8386,
7.0843

■ 56.5163, 65.2575,
110.7395

■ 0.1625, 0.5110,
3.4356

■ 75.7408, 86.7128,
141.7291

■ 0.0000, 0.0000,
1.3211

■ 98.8945, 112.4200,
178.0197

■ 0.0000, 0.0000,
0.0790

■ 126.3428,

■ 0.0000, 0.0000,

142.7637, 220.0299

0.0000

158.4510,
178.1282, 268.1783

■ 11.6032, 14.2690,
31.4208

■ 11.6032, 14.2690,
31.4208

■ 11.6029, 14.2682,
31.4210

■ 12.2283, 15.2237,
31.5724

■ 13.0142, 16.2865,
31.7361

■ 14.0289, 17.4928,
31.9155

■ 15.2993, 18.8569,
32.1118

■ 16.8482, 20.3908,
32.3263

■ 18.6960, 22.1051,
32.5598

■ 20.8608, 24.0097,
32.8133

■ 23.3595, 26.1134,
33.0877

■ 26.2077, 28.4245,
33.3836

Harmonies

Analogous

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



9.9925, 14.2690, 24.6172



11.6032, 14.2690, 31.4208



13.9332, 14.2690, 33.5461

Triad

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



11.6032, 14.2690, 31.4208



18.9012, 14.2690, 14.5073



11.0388, 14.2690, 6.7661

Complementary

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



11.6032, 14.2690, 31.4208



13.4249, 7.9038, 0.8186

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.



13.1979, 14.2690, 5.5022



11.6032, 14.2690, 31.4208



17.8946, 14.2690, 9.0188

Square

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



11.6032, 14.2690, 31.4208



18.3405, 14.2690, 22.2209



15.7303, 14.2690, 6.1790



9.6956, 14.2690, 10.3482

Rectangle

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



11.6032, 14.2690, 31.4208



15.6331, 14.2690, 31.6095



15.7303, 14.2690, 6.1790



11.6829, 14.2690, 6.1155

Sweetspot

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



11.6037, 14.2695, 31.4212



37.1038, 42.7785, 58.7352



11.3741, 22.2564, 5.3060



8.0787, 9.4147, 13.3089



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



11.6037, 14.2695, 31.4212



20.6301, 25.2543, 56.2209



6.3545, 3.7712, 29.6714



6.2563, 6.7700, 7.9060



9.8938, 12.1843, 26.7380



0.1755, 0.2374, 0.4089

Inverse Universe

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



15.8002, 7.7948, 16.5918



28.2198, 13.9282, 29.3147



18.4188, 17.8915, 2.4832



6.3965, 6.2978, 7.4680



13.4527, 6.6353, 14.1748



0.2151, 0.1048, 0.2853

Previews

White Background



This preview shows how the XYZ color 11.6032, 14.2690, 31.4208 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 11.6032, 14.2690, 31.4208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

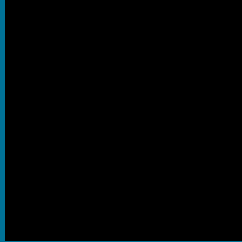
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.6032, 14.2690, 31.4208

Background



This preview shows how black text looks on a background with the XYZ color 11.6032, 14.2690, 31.4208.

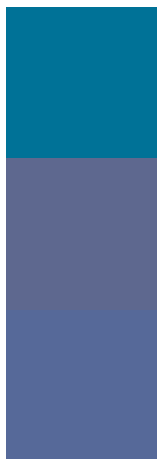


This preview shows how white text looks on a background with the XYZ color 11.6032, 14.2690,

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

11.6032, 14.2690, 31.4208

Protanopia

14.5243, 14.2635, 27.9742

Deuteranopia

14.6391, 14.3815, 32.1413



Tritanopia

10.1272, 14.2289, 21.9514

Trichromacy



Original Color

11.6032, 14.2690, 31.4208

Protanomaly

12.4143, 13.7611, 29.1960

Deuteranomaly

12.6056, 13.8043, 31.7059

Tritanomaly

10.6186, 14.2401, 25.1106

Monochromacy



Original Color

11.6032, 14.2690, 31.4208

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

8.2672, 10.0240, 15.6865

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6032, 14.2690, 31.4208 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, 114, 151)` looks like.

```
.text, #text, p{  
    color:rgb(0, 114, 151)  
}
```

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, 114, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 114, 151) }
```

Border

The CSS property to change the border of an element to XYZ 11.6032, 14.2690, 31.4208 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, 114, 151) }
```


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

```
.border{ border-color:rgb(0, 114, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 114, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 114, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 114, 151);  
box-shadow:4px 4px 4px 4px rgb(0, 114,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6032, 14.2690, 31.4208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 114, 151) }
```

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

```
.background{ background-color: rgb(0, 114,  
151) }
```

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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