

Converting Colors

XYZ(5.3388, 10.8288, 45.6537)

Have a look what the booklet for
XYZ(5.3388, 10.8288, 45.6537)
contains.

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Color

**XYZ(14.4712, 15.5977,
45.9640)**

Conversions

Conversions Part 1

Format	Color
Hex	0073B5
RGB	0, 115, 181
RGB Percent	0%, 45%, 71%
CMY	0.9999, 0.5490, 0.2902
CMYK	1.00, 0.36, 0.00, 0.29
HSL	202°, 100%, 35%
HSV	202°, 100%, 71%
XYZ	14.4712, 15.5977, 45.9640
YIQ	88.1390, -89.7260, -3.8540

Conversions

Conversions Part 2

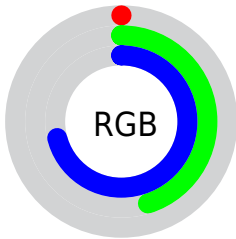
Format	Color
RYB	0, 70, 181
Decimal	29621
CIELab	46.44, -2.16, -42.37
CIELCh	46, 42.428, 267.083
Yxy	15.5977, 0.1903, 0.2051
Android (android.graphics.Color)	4278219701 (0xFF0073B5)
YUV	88.1390, 45.7805, -77.2979
Hunter-Lab	39.4939, -3.7091, -41.3574

Details

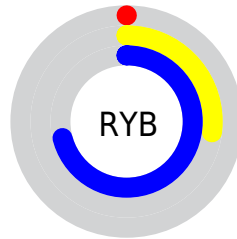
The XYZ color **14.4712, 15.5977, 45.9640** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **21.0064, 13.7239, 1.5427**, and the grayscale version is **9.2256, 9.7060, 10.5699**.

A 20% lighter version of the original color is **33.5184, 36.0272, 85.3081**, and **5.9634, 5.6928, 21.2066** is the 20% darker color. If you saturate the color by 10%, you get **14.4702, 15.5954, 45.9640**, and if you desaturate by 10%, it is **15.5033, 17.2877, 46.2362**.

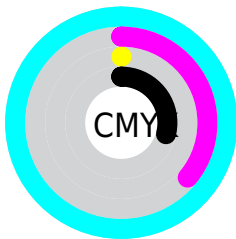
Distribution



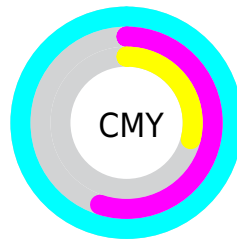
- Red (0%)
- Green (45%)
- Blue (71%)



- Red (0%)
- Yellow (27%)
- Blue (71%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (55%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4712, 15.5977, 45.9640 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 14.4712, 15.5977, 45.9640 by changing the saturation by 10% instead.

■ 14.4712, 15.5977,
45.9640

■ 14.4712, 15.5977,
45.9640

■ 213.5953,
226.9560, 386.9373

■ 8.5330, 9.2399,
31.8690

■ 33.5021, 35.8984,
85.4988

■ 4.4925, 4.8980,
20.9974

■ 47.3256, 50.6101,
111.7757

■ 1.9844, 2.1875,
12.9309

■ 64.5081, 68.8752,
142.9503

■ 0.6252, 0.7132,
7.2508

■ 85.4152, 91.0781,
179.4410

■ 0.0000, 0.0000,
3.5386

■ 110.4121,
117.6033, 221.6666

■ 0.0000, 0.0000,
1.3758

■ 139.8641,

■ 0.0000, 0.0000,

148.8350, 270.0455

0.1227

174.1367,
185.1578, 324.9962

■ 0.0000, 0.0000,
0.0000

■ 14.4712, 15.5977,
45.9640

■ 14.4712, 15.5977,
45.9640

■ 14.4702, 15.5954,
45.9640

■ 15.5033, 17.2877,
46.2362

■ 16.8219, 19.2069,
46.5371

■ 18.5164, 21.4031,
46.8717

■ 20.6301, 23.9001,
47.2423

■ 23.1998, 26.7185,
47.6508

■ 26.2581, 29.8764,
48.0992

■ 29.8344, 33.3904,
48.5890

■ 33.9554, 37.2757,
49.1217

■ 38.6463, 41.5466,
49.6988

Harmonies

Analogous

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



11.3323, 15.5977, 40.0297



14.4712, 15.5977, 45.9640



18.2517, 15.5977, 41.8669

Triad

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



14.4712, 15.5977, 45.9640



21.9845, 15.5977, 9.3838



9.6842, 15.5977, 8.2418

Complementary

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



14.4712, 15.5977, 45.9640



21.0064, 13.7239, 1.5427

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.



11.8568, 15.5977, 4.6451



14.4712, 15.5977, 45.9640



18.9708, 15.5977, 5.0891

Square

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



14.4712, 15.5977, 45.9640



22.9872, 15.5977, 18.0257



15.1848, 15.5977, 3.7874



8.8677, 15.5977, 15.9818

Rectangle

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



14.4712, 15.5977, 45.9640



20.5751, 15.5977, 34.6530



15.1848, 15.5977, 3.7874



10.2607, 15.5977, 6.6516

Sweetspot

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



14.4718, 15.5982, 45.9644



53.0769, 59.4588, 86.9739



17.4320, 33.4112, 10.2873



10.8773, 12.2732, 18.7179



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



14.4718, 15.5982, 45.9644



25.6917, 27.4832, 82.2453



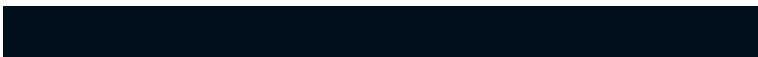
8.7369, 4.1284, 44.0528



8.4769, 9.0999, 10.8160



10.0431, 10.8865, 31.7090



0.3692, 0.4489, 1.0154

Inverse Universe

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



22.1511, 11.0623, 17.1878



39.5572, 19.7654, 30.1815



30.5881, 32.8873, 4.7366



8.7159, 8.5931, 10.0023



15.3039, 7.6391, 12.0264



0.5084, 0.2511, 0.5198

Previews

White Background



This preview shows how the XYZ color 14.4712, 15.5977, 45.9640 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 14.4712, 15.5977, 45.9640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

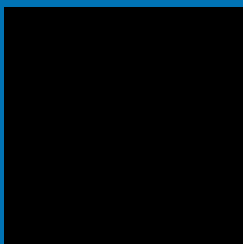
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

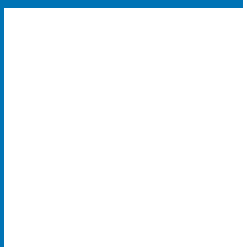
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.4712, 15.5977, 45.9640

Background



This preview shows how black text looks on a background with the XYZ color 14.4712, 15.5977, 45.9640.



This preview shows how white text looks on a background with the XYZ color 14.4712, 15.5977,

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

14.4712, 15.5977, 45.9640

Protanopia

16.6587, 15.6659, 42.1902

Deuteranopia

16.0060, 15.5534, 46.4145



Tritanopia

11.0563, 15.5578, 23.8930

Trichromacy



Original Color

14.4712, 15.5977, 45.9640

Protanomaly

15.0884, 15.3001, 43.7529

Deuteranomaly

15.0744, 15.3971, 46.4334

Tritanomaly

12.0216, 15.3636, 30.7656

Monochromacy



Original Color

14.4712, 15.5977, 45.9640

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

9.5114, 10.9813, 20.0306

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4712, 15.5977, 45.9640 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, 115, 181)` looks like.

```
.text, #text, p{  
    color:rgb(0, 115, 181)  
}
```

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, 115, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 115, 181) }
```

Border

The CSS property to change the border of an element to XYZ 14.4712, 15.5977, 45.9640 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, 115, 181) }
```


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

```
.border{ border-color:rgb(0, 115, 181) }
```

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

Here you see how a box with a 4 pixel rgb(0, 115, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 115, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 115, 181);  
box-shadow:4px 4px 4px 4px rgb(0, 115,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4712, 15.5977, 45.9640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 115, 181) }
```

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

```
.background{ background-color: rgb(0, 115,  
181) }
```

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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