

Converting Colors

XYZ(14.1812, 15.6651, 43.8713)

Have a look what the booklet for
XYZ(14.1812, 15.6651, 43.8713)
contains.

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Color

**XYZ(14.1812, 15.6651,
43.8712)**

Conversions

Conversions Part 1

Format	Color
Hex	0074B1
RGB	0, 116, 177
RGB Percent	0%, 45%, 69%
CMY	0.9999, 0.5451, 0.3059
CMYK	1.00, 0.34, 0.00, 0.31
HSL	201°, 100%, 35%
HSV	201°, 100%, 69%
XYZ	14.1812, 15.6651, 43.8712
YIQ	88.2700, -88.7170, -5.6210

Conversions

Conversions Part 2

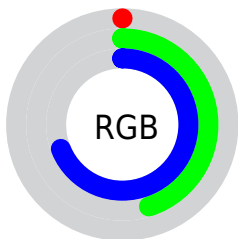
Format	Color
RYB	0, 70, 177
Decimal	29873
CIELab	46.53, -4.34, -39.91
CIELCh	47, 40.141, 263.790
Yxy	15.6651, 0.1924, 0.2125
Android (android.graphics.Color)	4278219953 (0xFF0074B1)
YUV	88.2700, 43.7439, -77.4128
Hunter-Lab	39.5792, -5.3070, -38.0141

Details

The XYZ color **14.1812, 15.6651, 43.8712** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **19.8023, 12.6883, 1.4064**, and the grayscale version is **9.2584, 9.7406, 10.6075**.

A 20% lighter version of the original color is **33.0250, 36.1126, 82.3206**, and **5.7052, 5.5895, 19.8470** is the 20% darker color. If you saturate the color by 10%, you get **14.1800, 15.6627, 43.8711**, and if you desaturate by 10%, it is **15.1525, 17.2446, 44.1252**.

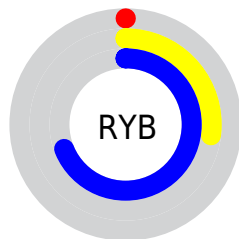
Distribution



Red (0%)

Green (45%)

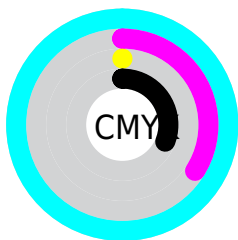
Blue (69%)



Red (0%)

Yellow (27%)

Blue (69%)

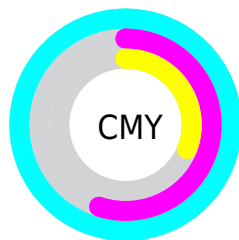


Cyan (100%)

Magenta (34%)

Yellow (0%)

Black (31%)



Cyan (100%)

Magenta (55%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.1812, 15.6651, 43.8712 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 14.1812, 15.6651, 43.8712 by changing the saturation by 10% instead.

■ 14.1812, 15.6651,
43.8712

■ 14.1812, 15.6651,
43.8712

211.8433,
227.3574, 378.2084

■ 8.3293, 9.2875,
30.2328

■ 32.9938, 36.0158,
82.3243

■ 4.3600, 4.9292,
19.7618

■ 46.6852, 50.7577,
107.9761

■ 1.9077, 2.2058,
12.0397

■ 63.7206, 69.0565,
138.4695

■ 0.5813, 0.7231,
6.6478

■ 84.4652, 91.2965,
174.2229

■ 0.0000, 0.0000,
3.1678

■ 109.2844,
117.8622, 215.6550

■ 0.0000, 0.0000,
1.1809

■ 138.5436,

■ 0.0000, 0.0000,

149.1380, 263.1842

0.0000

172.6081,
185.5083, 317.2292

■ 14.1812, 15.6651,
43.8712

■ 14.1812, 15.6651,
43.8712

■ 14.1800, 15.6627,
43.8711

■ 15.1525, 17.2446,
44.1252

■ 16.3895, 19.0307,
44.4048

■ 17.9784, 21.0693,
44.7145

■ 19.9597, 23.3826,
45.0566

■ 22.3683, 25.9895,
45.4329

■ 25.2347, 28.9072,
45.8449

■ 28.5867, 32.1508,
46.2944

■ 32.4494, 35.7346,
46.7825

■ 36.8465, 39.6718,
47.3107

Harmonies

Analogous

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



11.2951, 15.6651, 37.5086



14.1812, 15.6651, 43.8712



17.7371, 15.6651, 41.1024

Triad

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



14.1812, 15.6651, 43.8712



21.8433, 15.6651, 10.4679



10.1409, 15.6651, 8.0961

Complementary

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



14.1812, 15.6651, 43.8712



19.8023, 12.6883, 1.4064

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.



12.3638, 15.6651, 4.8886



14.1812, 15.6651, 43.8712



19.1748, 15.6651, 5.8402

Square

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



14.1812, 15.6651, 43.8712



22.5298, 15.6651, 19.2014



15.6204, 15.6651, 4.2623



9.2068, 15.6651, 15.0778

Rectangle

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



14.1812, 15.6651, 43.8712



19.9834, 15.6651, 34.8367



15.6204, 15.6651, 4.2623



10.7439, 15.6651, 6.6690

Sweetspot

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



14.1818, 15.6656, 43.8716



50.8557, 57.2567, 82.8666



16.5127, 31.7608, 9.4009



10.4676, 11.8784, 17.8854



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



14.1818, 15.6656, 43.8716



25.1819, 27.6233, 78.4999



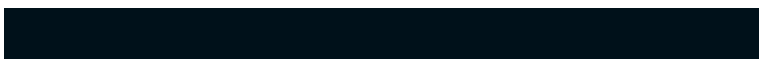
8.3887, 4.0794, 41.9406



8.4911, 9.1285, 10.8208



10.3321, 11.4645, 31.8053



0.3769, 0.4643, 1.0180

Inverse Universe

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



21.2844, 10.6089, 17.4492



38.0096, 18.9551, 30.6755



28.6444, 30.3725, 4.3537



8.7231, 8.5960, 10.0402



15.4498, 7.6975, 12.7946



0.5123, 0.2527, 0.5403

Previews

White Background



This preview shows how the XYZ color 14.1812, 15.6651, 43.8712 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 14.1812, 15.6651, 43.8712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

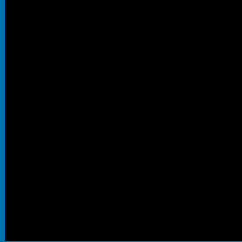
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.1812, 15.6651, 43.8712

Background



This preview shows how black text looks on a background with the XYZ color 14.1812, 15.6651, 43.8712.



This preview shows how white text looks on a background with the XYZ color 14.1812, 15.6651,

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

14.1812, 15.6651, 43.8712

Protanopia

16.6428, 15.7021, 40.1839

Deuteranopia

16.0661, 15.6314, 44.2899



Tritanopia

11.0563, 15.5578, 23.8930

Trichromacy



Original Color

14.1812, 15.6651, 43.8712

Protanomaly

14.8582, 15.2268, 41.6911

Deuteranomaly

14.8688, 15.3382, 44.2964

Tritanomaly

12.0618, 15.5711, 30.3868

Monochromacy



Original Color

14.1812, 15.6651, 43.8712

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

9.3887, 10.9322, 19.3846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.1812, 15.6651, 43.8712 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, 116, 177)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 177)  
}
```

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, 116, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 177) }
```

Border

The CSS property to change the border of an element to XYZ 14.1812, 15.6651, 43.8712 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, 116, 177) }
```


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

```
.border{ border-color:rgb(0, 116, 177) }
```

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

Here you see how a box with a 4 pixel rgb(0, 116, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 177);  
box-shadow:4px 4px 4px 4px rgb(0, 116,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 14.1812, 15.6651, 43.8712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 116, 177) }
```

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

```
.background{ background-color: rgb(0, 116,  
177) }
```

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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