

Converting Colors

XYZ(14.9044, 12.8558, 57.2322)

Have a look what the booklet for
XYZ(14.9044, 12.8558, 57.2322)
contains.

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Color

**XYZ(14.8173, 12.7664,
56.9416)**

Conversions

Conversions Part 1

Format	Color
Hex	0061C9
RGB	0, 97, 201
RGB Percent	0%, 38%, 79%
CMY	0.9998, 0.6196, 0.2118
CMYK	1.00, 0.52, 0.00, 0.21
HSL	211°, 100%, 39%
HSV	211°, 100%, 79%
XYZ	14.8173, 12.7664, 56.9416
YIQ	79.8530, -91.1960, 11.7800

Conversions

Conversions Part 2

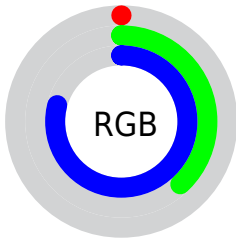
Format	Color
RYB	0, 65, 201
Decimal	25033
CIELab	42.41, 17.34, -60.43
CIELCh	42, 62.866, 286.008
Yxy	12.7664, 0.1753, 0.1510
Android (android.graphics.Color)	4278215113 (0xFF0061C9)
YUV	79.8530, 59.7255, -70.0311
Hunter-Lab	35.7301, 11.4964, -69.4770

Details

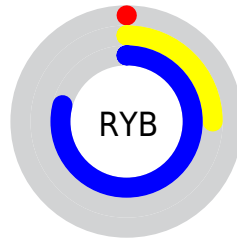
The XYZ color **14.8173, 12.7664, 56.9416** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **29.0427, 22.3274, 2.7802**, and the grayscale version is **7.4996, 7.8902, 8.5924**.

A 20% lighter version of the original color is **33.5207, 30.6841, 98.7636**, and **6.4163, 4.5313, 27.7306** is the 20% darker color. If you saturate the color by 10%, you get **14.8152, 12.7622, 56.9412**, and if you desaturate by 10%, it is **16.1339, 14.9668, 57.2973**.

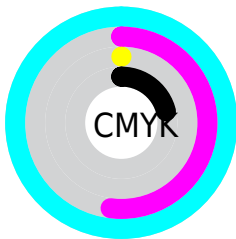
Distribution



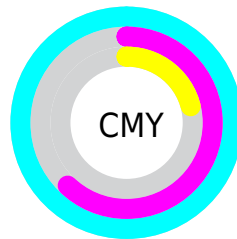
- Red (0%)
- Green (38%)
- Blue (79%)



- Red (0%)
- Yellow (25%)
- Blue (79%)



- Cyan (100%)
- Magenta (52%)
- Yellow (0%)
- Black (21%)



- Cyan (100%)
- Magenta (62%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8173, 12.7664, 56.9416 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 14.8173, 12.7664, 56.9416 by changing the saturation by 10% instead.

■ 14.8173, 12.7664,
56.9416

■ 14.8173, 12.7664,
56.9416

215.6681,
209.4151, 430.7181

■ 8.7767, 7.2679,
40.5493

■ 34.1066, 30.8835,
101.8795

■ 4.6518, 3.6302,
27.6500

■ 48.0861, 44.2708,
131.2621

■ 2.0771, 1.4689,
17.8253

■ 65.4427, 61.0566,
165.8119

■ 0.6767, 0.2667,
10.6565

■ 86.5416, 81.6251,
205.9475

■ 0.0000, 0.0000,
5.7251

■ 111.7482,
106.3608, 252.0874

■ 0.0000, 0.0000,
2.6126

141.4279,

■ 0.0000, 0.0000,

135.6481, 304.6501

0.8989

175.9461,
169.8714, 364.0541

■ 0.0000, 0.0000,
0.0000

■ 14.8173, 12.7664,
56.9416

■ 14.8173, 12.7664,
56.9416

■ 14.8152, 12.7622,
56.9412

■ 16.1339, 14.9668,
57.2973

■ 17.8827, 17.5840,
57.7103

■ 20.1733, 20.6809,
58.1873

■ 23.0648, 24.2943,
58.7323

■ 26.6080, 28.4562,
59.3489

■ 30.8476, 33.1954,
60.0402

■ 35.8242, 38.5382,
60.8092

■ 41.5749, 44.5090,
61.6586

■ 48.1342, 51.1308,
62.5910

Harmonies

Analogous

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



10.0663, 12.7664, 57.5505



14.8173, 12.7664, 56.9416



19.9187, 12.7664, 40.9542

Triad

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



14.8173, 12.7664, 56.9416



19.6057, 12.7664, 2.3239



5.2785, 12.7664, 8.5083

Complementary

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



14.8173, 12.7664, 56.9416



29.0427, 22.3274, 2.7802

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.



6.6991, 12.7664, 2.5260



14.8173, 12.7664, 56.9416



14.4673, 12.7664, 0.8472

Square

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



14.8173, 12.7664, 56.9416



23.1363, 12.7664, 7.8865



9.7961, 12.7664, 0.8873



5.3261, 12.7664, 22.3861

Rectangle

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



14.8173, 12.7664, 56.9416



22.4770, 12.7664, 27.3997



9.7961, 12.7664, 0.8873



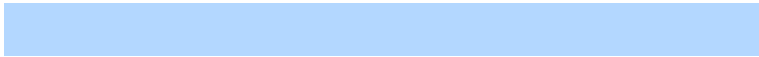
5.5801, 12.7664, 5.7748

Sweetspot

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



14.8179, 12.7667, 56.9420



60.9298, 65.5537, 104.0495



23.3795, 42.7707, 20.0859



12.2332, 13.1708, 22.1474



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



14.8179, 12.7667, 56.9420



25.1367, 21.3933, 97.4122



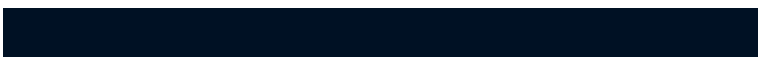
10.5857, 4.2399, 55.5192



10.4719, 11.1178, 13.5115



9.4060, 8.2059, 35.8325



0.5178, 0.5334, 1.7208

Inverse Universe

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



26.2457, 13.2816, 12.4895



44.8170, 22.6908, 20.7664



44.0839, 53.7321, 8.0491



10.8435, 10.7208, 12.1589



16.5470, 8.3684, 8.0906



0.8201, 0.4109, 0.5756

Previews

White Background



This preview shows how the XYZ color 14.8173, 12.7664, 56.9416 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 14.8173, 12.7664, 56.9416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

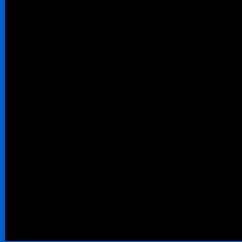
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.8173, 12.7664, 56.9416

Background



This preview shows how black text looks on a background with the XYZ color 14.8173, 12.7664, 56.9416.



This preview shows how white text looks on a background with the XYZ color 14.8173, 12.7664,

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

14.8173, 12.7664, 56.9416

Protanopia

15.0871, 12.7827, 56.3157

Deuteranopia

12.6872, 12.6771, 43.3732



Tritanopia

8.9545, 12.6769, 19.1145

Trichromacy



Original Color

14.8173, 12.7664, 56.9416

Protanomaly

14.8577, 12.6645, 56.3050

Deuteranomaly

13.4201, 12.6595, 48.1906

Tritanomaly

10.4993, 12.4462, 29.8660

Monochromacy



Original Color

14.8173, 12.7664, 56.9416

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

8.3311, 8.8146, 20.3311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8173, 12.7664, 56.9416 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, 97, 201)` looks like.

```
.text, #text, p{  
    color:rgb(0, 97, 201)  
}
```

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, 97, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 97, 201) }
```

Border

The CSS property to change the border of an element to XYZ 14.8173, 12.7664, 56.9416 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, 97, 201) }
```


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

```
.border{ border-color:rgb(0, 97, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 97, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 97, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 97, 201);  
box-shadow:4px 4px 4px 4px rgb(0, 97, 201)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.8173, 12.7664, 56.9416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 97, 201) }
```

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

```
.background{ background-color: rgb(0, 97,  
201) }
```

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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