

Converting Colors

XYZ(9.8410, 11.6485, 52.0228)

Have a look what the booklet for
XYZ(9.8410, 11.6485, 52.0228)
contains.

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Color

**XYZ(14.7797, 14.1583,
52.4059)**

Conversions

Conversions Part 1

Format	Color
Hex	006AC1
RGB	0, 106, 193
RGB Percent	0%, 42%, 76%
CMY	0.9998, 0.5843, 0.2431
CMYK	1.00, 0.45, 0.00, 0.24
HSL	207°, 100%, 38%
HSV	207°, 100%, 76%
XYZ	14.7797, 14.1583, 52.4059
YIQ	84.2240, -91.1030, 4.5850

Conversions

Conversions Part 2

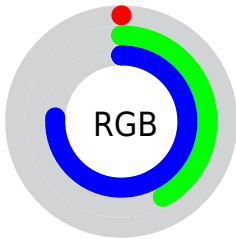
Format	Color
RYB	0, 68, 193
Decimal	27329
CIELab	44.46, 8.27, -52.50
CIELCh	44, 53.144, 278.955
Yxy	14.1583, 0.1817, 0.1741
Android (android.graphics.Color)	4278217409 (0xFF006AC1)
YUV	84.2240, 53.6266, -73.8644
Hunter-Lab	37.6275, 4.2648, -56.2372

Details

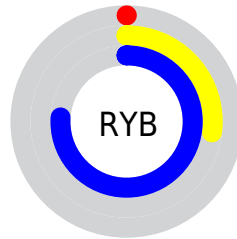
The XYZ color **14.7797, 14.1583, 52.4059** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **25.4046, 18.1614, 2.1678**, and the grayscale version is **8.3822, 8.8187, 9.6036**.

A 20% lighter version of the original color is **34.0316, 33.4490, 95.1051**, and **6.2761, 5.0958, 25.0789** is the 20% darker color. If you saturate the color by 10%, you get **14.7777, 14.1542, 52.4056**, and if you desaturate by 10%, it is **15.9979, 16.1859, 52.7334**.

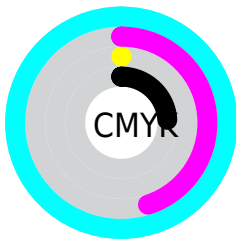
Distribution



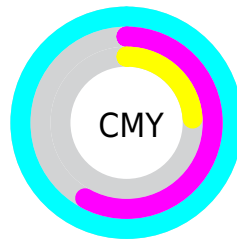
- Red (0%)
- Green (42%)
- Blue (76%)



- Red (0%)
- Yellow (27%)
- Blue (76%)



- Cyan (100%)
- Magenta (45%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (58%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7797, 14.1583, 52.4059 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 14.7797, 14.1583, 52.4059 by changing the saturation by 10% instead.

■ 14.7797, 14.1583,
52.4059

■ 14.7797, 14.1583,
52.4059

■ 215.4438,
218.2134, 413.0031

■ 8.7502, 8.2308,
36.9442

■ 34.0411, 33.3696,
95.1622

■ 4.6344, 4.2430,
24.8689

■ 48.0037, 47.4223,
123.2940

■ 2.0669, 1.8104,
15.7613

■ 65.3414, 64.9522,
156.4862

■ 0.6711, 0.4937,
9.2029

■ 86.4196, 86.3437,
195.1575

■ 0.0000, 0.0000,
4.7751

■ 111.6035,
111.9811, 239.7262

■ 0.0000, 0.0000,
2.0595

■ 141.2587,

■ 0.0000, 0.0000,

142.2490, 290.6110

0.5915

175.7503,
177.5316, 348.2305

■ 0.0000, 0.0000,
0.0000

■ 14.7797, 14.1583,
52.4059

■ 14.7797, 14.1583,
52.4059

■ 14.7777, 14.1542,
52.4056

■ 15.9979, 16.1859,
52.7334

■ 17.5823, 18.5412,
53.1045

■ 19.6332, 21.2796,
53.5250

■ 22.2028, 24.4316,
53.9980

■ 25.3356, 28.0236,
54.5262

■ 29.0708, 32.0791,
55.1121

■ 33.4439, 36.6195,
55.7580

■ 38.4874, 41.6647,
56.4660

■ 44.2315, 47.2334,
57.2381

Harmonies

Analogous

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



10.7118, 14.1583, 49.5534



14.7797, 14.1583, 52.4059



19.3252, 14.1583, 41.9816

Triad

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



14.7797, 14.1583, 52.4059



20.9283, 14.1583, 4.8358



7.1429, 14.1583, 8.4045

Complementary

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



14.7797, 14.1583, 52.4059



25.4046, 18.1614, 2.1678

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.



8.9162, 14.1583, 3.3891



14.7797, 14.1583, 52.4059



16.6353, 14.1583, 2.2203

Square

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



14.7797, 14.1583, 52.4059



23.3379, 14.1583, 12.0293



12.2157, 14.1583, 1.8855



6.8527, 14.1583, 19.3852

Rectangle

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



14.7797, 14.1583, 52.4059



21.8149, 14.1583, 31.0529



12.2157, 14.1583, 1.8855



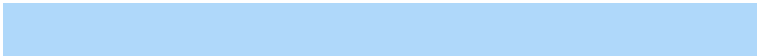
7.5640, 14.1583, 6.1732

Sweetspot

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



14.7803, 14.1587, 52.4063



59.4839, 65.1633, 99.8029



20.7859, 38.8265, 15.3889



12.0219, 13.2192, 21.3032



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



14.7803, 14.1587, 52.4063



26.2172, 24.8510, 93.7752



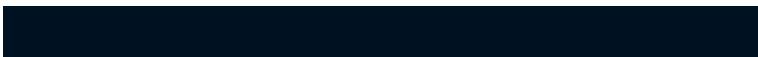
9.7315, 4.0610, 50.7233



9.9764, 10.6442, 12.8135



9.9096, 9.5758, 34.8826



0.4962, 0.5499, 1.5299

Inverse Universe

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



24.5945, 12.3791, 14.7289



43.9200, 22.1181, 25.7057



38.9990, 45.3503, 6.6993



10.2994, 10.1684, 11.6672



16.3979, 8.2489, 10.0074



0.7429, 0.3702, 0.6133

Previews

White Background



This preview shows how the XYZ color 14.7797, 14.1583, 52.4059 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 14.7797, 14.1583, 52.4059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

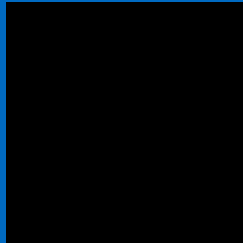
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.7797, 14.1583, 52.4059

Background



This preview shows how black text looks on a background with the XYZ color 14.7797, 14.1583, 52.4059.



This preview shows how white text looks on a background with the XYZ color 14.7797, 14.1583,

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

14.7797, 14.1583, 52.4059

Protanopia

15.9866, 14.2336, 50.0489

Deuteranopia

14.4430, 14.1895, 50.1217



Tritanopia

9.9994, 14.1778, 21.2784

Trichromacy



Original Color

14.7797, 14.1583, 52.4059

Protanomaly

15.0196, 13.8693, 50.6006

Deuteranomaly

14.5520, 14.2331, 50.6955

Tritanomaly

11.3299, 13.9802, 30.5351

Monochromacy



Original Color

14.7797, 14.1583, 52.4059

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

8.9334, 9.8664, 20.5023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7797, 14.1583, 52.4059 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, 106, 193)` looks like.

```
.text, #text, p{  
    color:rgb(0, 106, 193)  
}
```

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, 106, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 106, 193) }
```

Border

The CSS property to change the border of an element to XYZ 14.7797, 14.1583, 52.4059 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, 106, 193) }
```


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

```
.border{ border-color:rgb(0, 106, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 106, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 106, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 106, 193);  
box-shadow:4px 4px 4px 4px rgb(0, 106,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7797, 14.1583, 52.4059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 106, 193) }
```

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

```
.background{ background-color: rgb(0, 106,  
193) }
```

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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