

Converting Colors

XYZ(14.7896, 14.4888, 51.4517)

Have a look what the booklet for
XYZ(14.7896, 14.4888, 51.4517)
contains.

XYZ(14.7665, 14.4867, 51.3081)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(14.7665, 14.4867,
51.3081)**

Conversions

Conversions Part 1

Format	Color
Hex	006CBF
RGB	0, 108, 191
RGB Percent	0%, 42%, 75%
CMY	0.9999, 0.5765, 0.2510
CMYK	1.00, 0.43, 0.00, 0.25
HSL	206°, 100%, 37%
HSV	206°, 100%, 75%
XYZ	14.7665, 14.4867, 51.3081
YIQ	85.1700, -91.0110, 2.9170

Conversions

Conversions Part 2

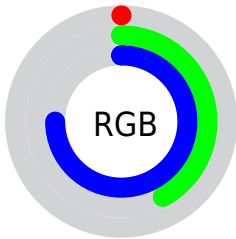
Format	Color
RYB	0, 69, 191
Decimal	27839
CIELab	44.92, 6.19, -50.59
CIELCh	45, 50.972, 276.979
Yxy	14.4867, 0.1833, 0.1798
Android (android.graphics.Color)	4278217919 (0xFF006CBF)
YUV	85.1700, 52.1742, -74.6941
Hunter-Lab	38.0614, 2.6444, -53.2820

Details

The XYZ color **14.7665, 14.4867, 51.3081** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **24.5823, 17.2688, 2.0387**, and the grayscale version is **8.5806, 9.0274, 9.8309**.

A 20% lighter version of the original color is **34.0607, 34.0065, 93.5757**, and **6.2380, 5.2514, 24.3518** is the 20% darker color. If you saturate the color by 10%, you get **14.7649, 14.4834, 51.3079**, and if you desaturate by 10%, it is **15.9556, 16.4620, 51.6271**.

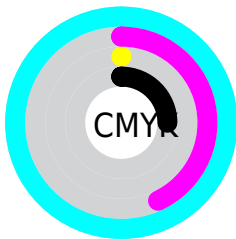
Distribution



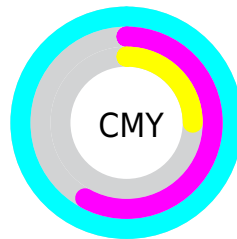
- Red (0%)
- Green (42%)
- Blue (75%)



- Red (0%)
- Yellow (27%)
- Blue (75%)



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (58%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7665, 14.4867, 51.3081 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 14.7665, 14.4867, 51.3081 by changing the saturation by 10% instead.

■ 14.7665, 14.4867,
51.3081

■ 14.7665, 14.4867,
51.3081

■ 215.3650,
220.2379, 408.6403

■ 8.7409, 8.4599,
36.0754

■ 34.0181, 33.9501,
93.5262

■ 4.6283, 4.3906,
24.2023

■ 47.9747, 48.1556,
121.3487

■ 2.0634, 1.8944,
15.2702

■ 65.3059, 65.8561,
154.2049

■ 0.6692, 0.5450,
8.8605

■ 86.3767, 87.4361,
192.5134

■ 0.0000, 0.0000,
4.5547

■ 111.5527,
113.2798, 236.6926

■ 0.0000, 0.0000,
1.9343

■ 141.1992,

■ 0.0000, 0.0000,

143.7718, 287.1611

0.5145

175.6815,
179.2964, 344.3375

■ 0.0000, 0.0000,
0.0000

■ 14.7665, 14.4867,
51.3081

■ 14.7665, 14.4867,
51.3081

■ 14.7649, 14.4834,
51.3079

■ 15.9556, 16.4620,
51.6271

■ 17.4957, 18.7454,
51.9866

■ 19.4853, 21.3906,
52.3923

■ 21.9749, 24.4270,
52.8472

■ 25.0076, 27.8797,
53.3538

■ 28.6213, 31.7710,
53.9144

■ 32.8504, 36.1216,
54.5313

■ 37.7265, 40.9504,
55.2063

■ 43.2785, 46.2749,
55.9414

Harmonies

Analogous

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



10.8655, 14.4867, 47.7521



14.7665, 14.4867, 51.3081



19.1772, 14.4867, 42.1483

Triad

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



14.7665, 14.4867, 51.3081



21.2191, 14.4867, 5.6004



7.6295, 14.4867, 8.3897

Complementary

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



14.7665, 14.4867, 51.3081



24.5823, 17.2688, 2.0387

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.



9.4874, 14.4867, 3.6216



14.7665, 14.4867, 51.3081



17.1489, 14.4867, 2.6730

Square

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



14.7665, 14.4867, 51.3081



23.3597, 14.4867, 13.1449



12.8178, 14.4867, 2.1966



7.2454, 14.4867, 18.7312

Rectangle

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



14.7665, 14.4867, 51.3081



21.6456, 14.4867, 31.8884



12.8178, 14.4867, 2.1966



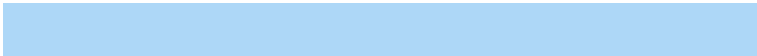
8.0811, 14.4867, 6.2773

Sweetspot

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



14.7671, 14.4871, 51.3085



58.4335, 64.2884, 97.6083



20.1846, 37.8833, 14.3892



12.0964, 13.3681, 21.3281



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.



14.7671, 14.4871, 51.3085



26.1976, 25.4471, 91.8101



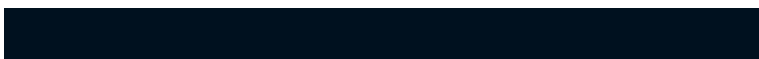
9.5455, 4.0438, 49.5679



9.4519, 10.0962, 12.1228



9.7846, 9.6808, 33.7458



0.4472, 0.5071, 1.3432

Inverse Universe

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



24.1932, 12.1600, 15.2595



43.2033, 21.7266, 26.6665



37.4603, 43.0247, 6.3313



9.7500, 9.6243, 11.0724



15.9396, 8.0070, 10.2413



0.6566, 0.3266, 0.5711

Previews

White Background



This preview shows how the XYZ color 14.7665, 14.4867, 51.3081 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 14.7665, 14.4867, 51.3081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

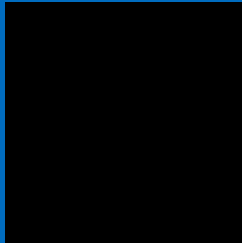
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.7665, 14.4867, 51.3081

Background



This preview shows how black text looks on a background with the XYZ color 14.7665, 14.4867, 51.3081.



This preview shows how white text looks on a background with the XYZ color 14.7665, 14.4867,

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

14.7665, 14.4867, 51.3081

Protanopia

16.0971, 14.4746, 48.3998

Deuteranopia

14.9182, 14.5649, 51.3152



Tritanopia

10.2443, 14.4632, 21.9904

Trichromacy



Original Color

14.7665, 14.4867, 51.3081

Protanomaly

15.1249, 14.2476, 49.5298

Deuteranomaly

14.8667, 14.5383, 51.3128

Tritanomaly

11.5223, 14.2366, 30.9948

Monochromacy



Original Color

14.7665, 14.4867, 51.3081

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

9.0738, 10.0682, 20.5339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7665, 14.4867, 51.3081 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, 108, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 108, 191)  
}
```

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, 108, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 108, 191) }
```

Border

The CSS property to change the border of an element to XYZ 14.7665, 14.4867, 51.3081 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, 108, 191) }
```


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

```
.border{ border-color:rgb(0, 108, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 108, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 108, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 108, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 108,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7665, 14.4867, 51.3081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 108, 191) }
```

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

```
.background{ background-color: rgb(0, 108,  
191) }
```

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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