

Converting Colors

XYZ(8.1569, 12.4540, 54.4334)

Have a look what the booklet for
XYZ(8.1569, 12.4540, 54.4334)
contains.

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Color

**XYZ(16.3251, 16.7081,
54.5891)**

Conversions

Conversions Part 1

Format	Color
Hex	0075C4
RGB	0, 117, 196
RGB Percent	0%, 46%, 77%
CMY	0.9998, 0.5412, 0.2314
CMYK	1.00, 0.40, 0.00, 0.23
HSL	204°, 100%, 38%
HSV	204°, 100%, 77%
XYZ	16.3251, 16.7081, 54.5891
YIQ	91.0230, -95.0910, -0.2350

Conversions

Conversions Part 2

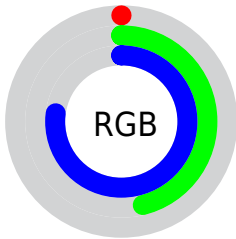
Format	Color
RYB	0, 73, 196
Decimal	30148
CIELab	47.89, 2.55, -48.73
CIElCh	48, 48.795, 272.991
Yxy	16.7081, 0.1863, 0.1907
Android (android.graphics.Color)	4278220228 (0xFF0075C4)
YUV	91.0230, 51.7537, -79.8272
Hunter-Lab	40.8755, -0.2419, -50.5686

Details

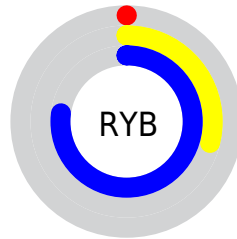
The XYZ color **16.3251, 16.7081, 54.5891** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **25.5644, 17.3341, 1.9996**, and the grayscale version is **9.8539, 10.3671, 11.2898**.

A 20% lighter version of the original color is **36.7415, 37.9546, 98.3180**, and **7.0726, 6.3333, 26.4409** is the 20% darker color. If you saturate the color by 10%, you get **16.3232, 16.7043, 54.5888**, and if you desaturate by 10%, it is **17.5664, 18.7731, 54.9226**.

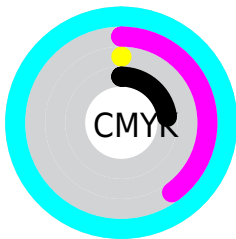
Distribution



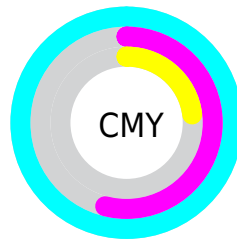
- Red (0%)
- Green (46%)
- Blue (77%)



- Red (0%)
- Yellow (29%)
- Blue (77%)



- Cyan (100%)
- Magenta (40%)
- Yellow (0%)
- Black (23%)



- Cyan (100%)
- Magenta (54%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3251, 16.7081, 54.5891 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 16.3251, 16.7081, 54.5891 by changing the saturation by 10% instead.

■ 16.3251, 16.7081,
54.5891

■ 16.3251, 16.7081,
54.5891

224.4854,
233.4846, 421.5904

■ 9.8468, 10.0266,
38.6765

■ 36.7146, 37.8232,
98.4038

■ 5.3590, 5.4166,
26.2022

■ 51.3565, 53.0256,
127.1429

■ 2.4963, 2.4937,
16.7479

■ 69.4503, 71.8371,
160.9946

■ 0.8934, 0.8735,
9.8948

■ 91.3613, 94.6421,
200.3773

■ 0.0000, 0.0000,
5.2246

■ 117.4550,
121.8249, 245.7098

■ 0.0000, 0.0000,
2.3186

■ 148.0967,

■ 0.0000, 0.0000,

153.7700, 297.4104

0.7416

183.6517,
190.8618, 355.8978

■ 0.0000, 0.0000,
0.0000

■ 16.3251, 16.7081,
54.5891

■ 16.3251, 16.7081,
54.5891

■ 16.3232, 16.7043,
54.5888

■ 17.5664, 18.7731,
54.9226

■ 19.1706, 21.1432,
55.2956

■ 21.2398, 23.8737,
55.7136

■ 23.8277, 26.9950,
56.1796

■ 26.9797, 30.5329,
56.6964

■ 30.7359, 34.5105,
57.2662

■ 35.1325, 38.9488,
57.8911

■ 40.2026, 43.8671,
58.5732

■ 45.9769, 49.2836,
59.3144

Harmonies

Analogous

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



12.3473, 16.7081, 49.3495



16.3251, 16.7081, 54.5891



20.9346, 16.7081, 46.9363

Triad

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



16.3251, 16.7081, 54.5891



24.0651, 16.7081, 7.9483



9.4846, 16.7081, 9.2739

Complementary

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



16.3251, 16.7081, 54.5891



25.5644, 17.3341, 1.9996

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.



11.7134, 16.7081, 4.5157



16.3251, 16.7081, 54.5891



20.0308, 16.7081, 4.0356

Square

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



16.3251, 16.7081, 54.5891



25.8900, 16.7081, 16.9597



15.4441, 16.7081, 3.1547



8.8543, 16.7081, 19.4831

Rectangle

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



16.3251, 16.7081, 54.5891



23.6200, 16.7081, 36.9694



15.4441, 16.7081, 3.1547



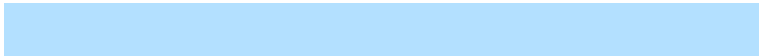
10.0485, 16.7081, 7.1754

Sweetspot

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



16.3258, 16.7086, 54.5895



63.2235, 70.1412, 104.8141



21.1311, 40.0366, 13.9022



12.7766, 14.2577, 22.3286



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.



16.3258, 16.7086, 54.5895



29.3103, 29.7406, 98.8034



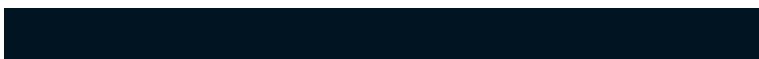
10.2082, 4.4735, 52.5504



10.0169, 10.7251, 12.8270



10.5745, 10.9055, 35.1043



0.5230, 0.6034, 1.5388

Inverse Universe

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



25.9765, 13.0212, 17.9741



46.9237, 23.5335, 31.8599



38.3702, 42.9456, 6.2682



10.3198, 10.1765, 11.7748



16.7335, 8.3832, 11.7746



0.7564, 0.3756, 0.6845

Previews

White Background



This preview shows how the XYZ color 16.3251, 16.7081, 54.5891 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 16.3251, 16.7081, 54.5891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

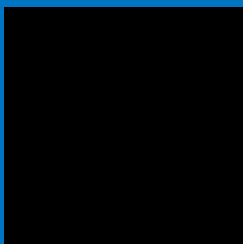
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

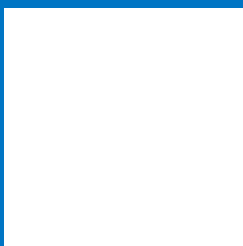
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.3251, 16.7081, 54.5891

Background



This preview shows how black text looks on a background with the XYZ color 16.3251, 16.7081, 54.5891.



This preview shows how white text looks on a background with the XYZ color 16.3251, 16.7081,

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

16.3251, 16.7081, 54.5891

Protanopia

18.2870, 16.7921, 50.9926

Deuteranopia

17.3811, 16.8970, 55.1687



Tritanopia

11.8340, 16.6710, 25.5158

Trichromacy



Original Color

16.3251, 16.7081, 54.5891

Protanomaly

16.7848, 16.3198, 52.1346

Deuteranomaly

16.8589, 16.7980, 55.1771

Tritanomaly

13.1688, 16.6002, 34.4084

Monochromacy



Original Color

16.3251, 16.7081, 54.5891

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.2645, 11.5989, 22.4667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3251, 16.7081, 54.5891 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, 117, 196)` looks like.

```
.text, #text, p{  
    color:rgb(0, 117, 196)  
}
```

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, 117, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 196) }
```

Border

The CSS property to change the border of an element to XYZ 16.3251, 16.7081, 54.5891 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, 117, 196) }
```


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

```
.border{ border-color:rgb(0, 117, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 117, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 117, 196);  
box-shadow:4px 4px 4px 4px rgb(0, 117,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3251, 16.7081, 54.5891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 117, 196) }
```

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

```
.background{ background-color: rgb(0, 117,  
196) }
```

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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