

Converting Colors

XYZ(9.0621, 12.1709, 53.9884)

Have a look what the booklet for
XYZ(9.0621, 12.1709, 53.9884)
contains.

XYZ(15.7580, 15.5739, 54.4001)	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(15.7580, 15.5739,
54.4001)**

Conversions

Conversions Part 1

Format	Color
Hex	0070C4
RGB	0, 112, 196
RGB Percent	0%, 44%, 77%
CMY	0.9998, 0.5608, 0.2314
CMYK	1.00, 0.43, 0.00, 0.23
HSL	206°, 100%, 38%
HSV	206°, 100%, 77%
XYZ	15.7580, 15.5739, 54.4001
YIQ	88.0880, -93.7160, 2.3800

Conversions

Conversions Part 2

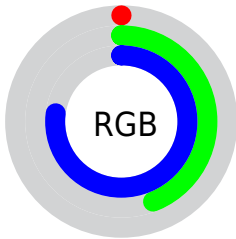
Format	Color
RYB	0, 71, 196
Decimal	28868
CIELab	46.41, 5.67, -51.10
CIELCh	46, 51.409, 276.330
Yxy	15.5739, 0.1838, 0.1817
Android (android.graphics.Color)	4278218948 (0xFF0070C4)
YUV	88.0880, 53.2006, -77.2532
Hunter-Lab	39.4638, 2.2139, -54.1055

Details

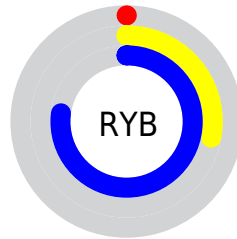
The XYZ color **15.7580, 15.5739, 54.4001** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **25.9389, 18.0831, 2.1245**, and the grayscale version is **9.2002, 9.6793, 10.5408**.

A 20% lighter version of the original color is **35.6507, 35.7730, 97.9544**, and **6.7728, 5.7336, 26.3409** is the 20% darker color. If you saturate the color by 10%, you get **15.7561, 15.5701, 54.3998**, and if you desaturate by 10%, it is **17.0101, 17.6606, 54.7372**.

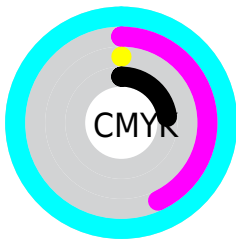
Distribution



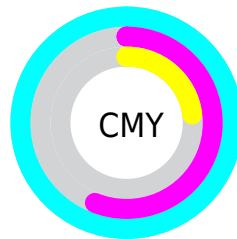
- Red (0%)
- Green (44%)
- Blue (77%)



- Red (0%)
- Yellow (28%)
- Blue (77%)



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (23%)



- Cyan (100%)
- Magenta (56%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7580, 15.5739, 54.4001 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 15.7580, 15.5739, 54.4001 by changing the saturation by 10% instead.

■ 15.7580, 15.5739,
54.4001

■ 15.7580, 15.5739,
54.4001

221.2080,
226.8141, 420.8516

■ 9.4428, 9.2231,
38.5263

■ 35.7384, 35.8569,
98.1238

■ 5.0905, 4.8870,
26.0864

■ 50.1344, 50.5579,
126.8107

■ 2.3358, 2.1811,
16.6619

■ 67.9546, 68.8111,
160.6057

■ 0.8129, 0.7097,
9.8344

■ 89.5646, 91.0009,
199.9274

■ 0.0000, 0.0000,
5.1851

■ 115.3295,
117.5117, 245.1943

■ 0.0000, 0.0000,
2.2956

■ 145.6148,

■ 0.0000, 0.0000,

148.7279, 296.8249

0.7288

180.7859,
185.0339, 355.2378

■ 0.0000, 0.0000,
0.0000

■ 15.7580, 15.5739,
54.4001

■ 15.7580, 15.5739,
54.4001

■ 15.7561, 15.5701,
54.3998

■ 17.0101, 17.6606,
54.7372

■ 18.6343, 20.0707,
55.1168

■ 20.7332, 22.8606,
55.5447

■ 23.3607, 26.0611,
56.0240

■ 26.5627, 29.6990,
56.5574

■ 30.3796, 33.7981,
57.1474

■ 34.8480, 38.3798,
57.7963

■ 40.0011, 43.4644,
58.5061

■ 45.8702, 49.0704,
59.2789

Harmonies

Analogous

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



11.6501, 15.5739, 50.3781



15.7580, 15.5739, 54.4001



20.4209, 15.5739, 45.0410

Triad

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



15.7580, 15.5739, 54.4001



22.7460, 15.5739, 6.2495



8.3110, 15.5739, 8.9516

Complementary

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



15.7580, 15.5739, 54.4001



25.9389, 18.0831, 2.1245

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.



10.3226, 15.5739, 3.9464



15.7580, 15.5739, 54.4001



18.4777, 15.5739, 3.0170

Square

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



15.7580, 15.5739, 54.4001



24.9408, 15.5739, 14.4164



13.8865, 15.5739, 2.4559



7.8684, 15.5739, 19.7805

Rectangle

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



15.7580, 15.5739, 54.4001



23.0482, 15.5739, 34.3165



13.8865, 15.5739, 2.4559



8.8035, 15.5739, 6.7365

Sweetspot

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



15.7587, 15.5744, 54.4005



62.7014, 69.0970, 104.6401



21.2519, 40.0849, 14.5383



12.6525, 14.0095, 22.2872



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.



15.7587, 15.5744, 54.4005



28.2814, 27.6827, 98.4605



10.1553, 4.3675, 52.5327



9.9952, 10.6818, 12.8198



10.2108, 10.1781, 34.9830



0.5085, 0.5744, 1.5339

Inverse Universe

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



25.6903, 12.9066, 16.4667



46.4043, 23.3257, 29.1249



39.0202, 44.2457, 6.4849



10.3089, 10.1722, 11.7172



16.5499, 8.3097, 10.8078



0.7490, 0.3726, 0.6459

Previews

White Background



This preview shows how the XYZ color 15.7580, 15.5739, 54.4001 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 15.7580, 15.5739, 54.4001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

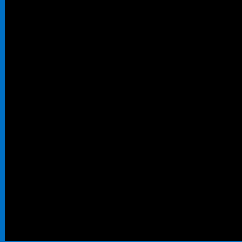
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.7580, 15.5739, 54.4001

Background



This preview shows how black text looks on a background with the XYZ color 15.7580, 15.5739, 54.4001.



This preview shows how white text looks on a background with the XYZ color 15.7580, 15.5739,

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

15.7580, 15.5739, 54.4001

Protanopia

17.3342, 15.6547, 51.3983

Deuteranopia

16.0249, 15.5486, 54.3811



Tritanopia

10.9888, 15.5308, 23.5377

Trichromacy



Original Color

15.7580, 15.5739, 54.4001

Protanomaly

16.2210, 15.3684, 52.5635

Deuteranomaly

15.8452, 15.4560, 54.3727

Tritanomaly

12.3112, 15.2900, 32.8742

Monochromacy



Original Color

15.7580, 15.5739, 54.4001

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

9.7363, 10.9224, 21.6738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7580, 15.5739, 54.4001 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, 112, 196)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 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, 112, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 196) }
```

Border

The CSS property to change the border of an element to XYZ 15.7580, 15.5739, 54.4001 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, 112, 196) }
```


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

```
.border{ border-color:rgb(0, 112, 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, 112, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 196);  
box-shadow:4px 4px 4px 4px rgb(0, 112,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7580, 15.5739, 54.4001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 112, 196) }
```

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

```
.background{ background-color: rgb(0, 112,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor