

Converting Colors

XYZ(7.4773, 11.9504, 54.4875)

Have a look what the booklet for
XYZ(7.4773, 11.9504, 54.4875)
contains.

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Color

**XYZ(16.3234, 16.5220,
55.1521)**

Conversions

Conversions Part 1

Format	Color
Hex	0074C5
RGB	0, 116, 197
RGB Percent	0%, 45%, 77%
CMY	0.9999, 0.5451, 0.2274
CMYK	1.00, 0.41, 0.00, 0.23
HSL	205°, 100%, 39%
HSV	205°, 100%, 77%
XYZ	16.3234, 16.5220, 55.1521
YIQ	90.5500, -95.1370, 0.5990

Conversions

Conversions Part 2

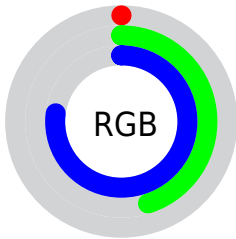
Format	Color
RYB	0, 73, 197
Decimal	29893
CIELab	47.65, 3.56, -49.68
CIELCh	48, 49.810, 274.102
Yxy	16.5220, 0.1855, 0.1878
Android (android.graphics.Color)	4278219973 (0xFF0074C5)
YUV	90.5500, 52.4798, -79.4124
Hunter-Lab	40.6473, 0.5505, -51.9943

Details

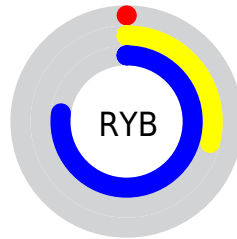
The XYZ color **16.3234, 16.5220, 55.1521** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **25.9716, 17.7610, 2.0605**, and the grayscale version is **9.7455, 10.2530, 11.1655**.

A 20% lighter version of the original color is **36.6379, 37.3346, 99.0412**, and **7.0860, 6.2394, 26.8175** is the 20% darker color. If you saturate the color by 10%, you get **16.3218, 16.5186, 55.1519**, and if you desaturate by 10%, it is **17.5818, 18.6182, 55.4908**.

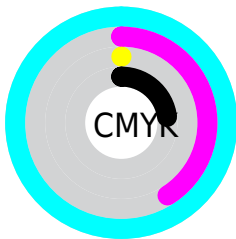
Distribution



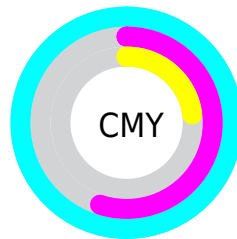
- Red (0%)
- Green (45%)
- Blue (77%)



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



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (23%)



- Cyan (100%)
- Magenta (55%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3234, 16.5220, 55.1521 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 16.3234, 16.5220, 55.1521 by changing the saturation by 10% instead.

■ 16.3234, 16.5220,
55.1521

■ 16.3234, 16.5220,
55.1521

■ 224.4756,
232.4025, 423.7864

■ 9.8456, 9.8943,
39.1241

■ 36.7117, 37.5021,
99.2372

■ 5.3582, 5.3289,
26.5477

■ 51.3528, 52.6232,
128.1313

■ 2.4958, 2.4415,
17.0044

■ 69.4458, 71.3443,
162.1512

■ 0.8931, 0.8471,
10.0756

■ 91.3560, 94.0497,
201.7154

■ 0.0000, 0.0000,
5.3429

■ 117.4487,
121.1239, 247.2425

■ 0.0000, 0.0000,
2.3876

■ 148.0893,

■ 0.0000, 0.0000,

152.9511, 299.1510

0.7797

183.6432,
189.9159, 357.8595

■ 0.0000, 0.0000,
0.0000

■ 16.3234, 16.5220,
55.1521

■ 16.3234, 16.5220,
55.1521

■ 16.3218, 16.5186,
55.1519

■ 17.5818, 18.6182,
55.4908

■ 19.2105, 21.0291,
55.8703

■ 21.3128, 23.8109,
56.2964

■ 23.9430, 26.9943,
56.7723

■ 27.1474, 30.6060,
57.3005

■ 30.9667, 34.6694,
57.8835

■ 35.4375, 39.2060,
58.5235

■ 40.5936, 44.2356,
59.2226

■ 46.4661, 49.7767,
59.9826

Harmonies

Analogous

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



12.2563, 16.5220, 50.2460



16.3234, 16.5220, 55.1521



21.0037, 16.5220, 46.8507

Triad

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



16.3234, 16.5220, 55.1521



23.9040, 16.5220, 7.4545



9.1978, 16.5220, 9.2715

Complementary

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



16.3234, 16.5220, 55.1521



25.9716, 17.7610, 2.0605

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.



11.3799, 16.5220, 4.3745



16.3234, 16.5220, 55.1521



19.7435, 16.5220, 3.7269

Square

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



16.3234, 16.5220, 55.1521



25.8729, 16.5220, 16.2939



15.0998, 16.5220, 2.9490



8.6242, 16.5220, 19.7992

Rectangle

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



16.3234, 16.5220, 55.1521



23.7010, 16.5220, 36.5138



15.0998, 16.5220, 2.9490



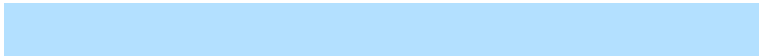
9.7442, 16.5220, 7.1102

Sweetspot

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



16.3241, 16.5225, 55.1525



63.0572, 69.8085, 104.7587



21.3717, 40.4950, 14.0533



12.7370, 14.1785, 22.3154



0.0000, 0.0000, 0.0000



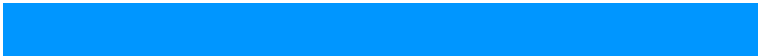
20.3446, 21.4041, 23.3091

Same Dimension

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



16.3241, 16.5225, 55.1525



28.9775, 29.0751, 98.6925



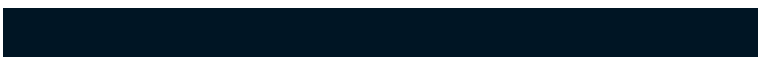
10.3241, 4.5225, 53.1525



10.5669, 11.3079, 13.5432



10.8194, 11.0328, 36.3037



0.5824, 0.6626, 1.7423

Inverse Universe

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



26.1790, 13.1322, 17.6783



46.7557, 23.4663, 30.9754



38.8087, 43.4352, 6.3395



10.8914, 10.7400, 12.4115



17.2605, 8.6538, 11.8475



0.8527, 0.4239, 0.7473

Previews

White Background



This preview shows how the XYZ color 16.3234, 16.5220, 55.1521 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 16.3234, 16.5220, 55.1521 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 16.3234, 16.5220, 55.1521

Background



This preview shows how black text looks on a background with the XYZ color 16.3234, 16.5220, 55.1521.



This preview shows how white text looks on a background with the XYZ color 16.3234, 16.5220,

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

16.3234, 16.5220, 55.1521

Protanopia

18.1218, 16.5331, 51.5263

Deuteranopia

17.0098, 16.5373, 55.1188



Tritanopia

11.6367, 16.3885, 25.1042

Trichromacy



Original Color

16.3234, 16.5220, 55.1521

Protanomaly

16.7352, 16.1167, 52.6809

Deuteranomaly

16.6348, 16.5123, 55.1338

Tritanomaly

13.0453, 16.3534, 34.3672

Monochromacy



Original Color

16.3234, 16.5220, 55.1521

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.3314, 11.6256, 22.8185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3234, 16.5220, 55.1521 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, 116, 197)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 197)  
}
```

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, 116, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 197) }
```

Border

The CSS property to change the border of an element to XYZ 16.3234, 16.5220, 55.1521 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, 116, 197) }
```


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

```
.border{ border-color:rgb(0, 116, 197) }
```

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

Here you see how a box with a 4 pixel rgb(0, 116, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 197);  
box-shadow:4px 4px 4px 4px rgb(0, 116,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3234, 16.5220, 55.1521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 116, 197) }
```

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

```
.background{ background-color: rgb(0, 116,  
197) }
```

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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