

Converting Colors

XYZ(5.5918, 6.2359, 66.2166)

Have a look what the booklet for
XYZ(5.5918, 6.2359, 66.2166)
contains.

XYZ(15.7729, 11.5068, 67.0353)	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(15.7729, 11.5068,
67.0353)**

Conversions

Conversions Part 1

Format	Color
Hex	0055D9
RGB	0, 85, 217
RGB Percent	0%, 33%, 85%
CMY	0.9998, 0.6667, 0.1490
CMYK	1.00, 0.61, 0.00, 0.15
HSL	217°, 100%, 43%
HSV	217°, 100%, 85%
XYZ	15.7729, 11.5068, 67.0353
YIQ	74.6330, -93.0320, 23.0320

Conversions

Conversions Part 2

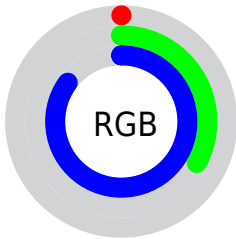
Format	Color
RYB	0, 61, 217
Decimal	21977
CIELab	40.42, 31.57, -72.86
CIELCh	40, 79.409, 293.426
Yxy	11.5068, 0.1672, 0.1220
Android (android.graphics.Color)	4278212057 (0xFF0055D9)
YUV	74.6330, 70.1869, -65.4531
Hunter-Lab	33.9217, 23.6360, -93.4225

Details

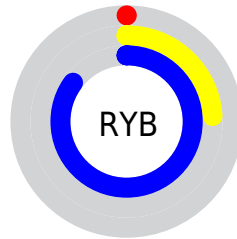
The XYZ color **15.7729, 11.5068, 67.0353** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **36.8743, 31.2690, 4.0936**, and the grayscale version is **6.5152, 6.8545, 7.4645**.

A 20% lighter version of the original color is **32.2840, 27.2133, 98.1589**, and **7.2610, 4.2291, 34.1518** is the 20% darker color. If you saturate the color by 10%, you get **15.7704, 11.5016, 67.0348**, and if you desaturate by 10%, it is **17.2366, 13.9509, 67.4303**.

Distribution



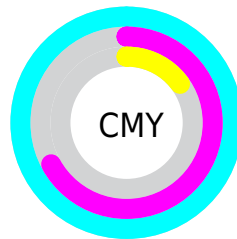
- Red (0%)
- Green (33%)
- Blue (85%)



- Red (0%)
- Yellow (24%)
- Blue (85%)



- Cyan (100%)
- Magenta (61%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (67%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7729, 11.5068, 67.0353 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 15.7729, 11.5068, 67.0353 by changing the saturation by 10% instead.

■ 15.7729, 11.5068,
67.0353

■ 15.7729, 11.5068,
67.0353

221.2947,
201.1123, 468.5753

■ 9.4534, 6.4088,
48.6515

■ 35.7641, 28.5936,
116.6121

■ 5.0976, 3.0952,
33.9795

■ 50.1666, 41.3512,
148.6423

■ 2.3400, 1.1816,
22.6006

■ 67.9941, 57.4308,
186.0583

■ 0.8150, 0.0466,
14.0964

■ 89.6120, 77.2167,
229.2787

■ 0.0000, 0.0000,
8.0482

■ 115.3857,
101.0934, 278.7221

■ 0.0000, 0.0000,
4.0376

145.6804,

■ 0.0000, 0.0000,

129.4454, 334.8069

1.6460

180.8617,
162.6568, 397.9518

■ 0.0000, 0.0000,
0.3233

■ 0.0000, 0.0000,
0.0000

■ 15.7729, 11.5068,
67.0353

■ 15.7729, 11.5068,
67.0353

■ 15.7704, 11.5016,
67.0348

■ 17.2366, 13.9509,
67.4303

■ 19.2687, 16.9909,
67.9099

■ 21.9988, 20.7074,
68.4834

■ 25.5028, 25.1522,
69.1566

■ 29.8455, 30.3711,
69.9351

■ 35.0840, 36.4052,
70.8237

■ 41.2703, 43.2922,
71.8270

■ 48.4522, 51.0673,
72.9492

■ 56.6738, 59.7636,
74.1944

Harmonies

Analogous

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



9.7555, 11.5068, 74.4093



15.7729, 11.5068, 67.0353



21.9940, 11.5068, 41.1463

Triad

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



15.7729, 11.5068, 67.0353



18.6432, 11.5068, 0.4139



3.3729, 11.5068, 9.3341

Complementary

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



15.7729, 11.5068, 67.0353



36.8743, 31.2690, 4.0936

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.



4.3920, 11.5068, 1.6973



15.7729, 11.5068, 67.0353



12.2099, 11.5068, 0.0000

Square

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



15.7729, 11.5068, 67.0353



24.0067, 11.5068, 3.8613



7.2066, 11.5068, 0.0000



3.7576, 11.5068, 29.1139

Rectangle

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



15.7729, 11.5068, 67.0353



24.7539, 11.5068, 23.4777



7.2066, 11.5068, 0.0000



3.5469, 11.5068, 5.6564

Sweetspot

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



15.7736, 11.5070, 67.0356



59.1917, 62.0776, 103.4702



28.8578, 51.2439, 29.5672



11.8247, 12.3538, 22.0113



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.



15.7736, 11.5070, 67.0356



22.5924, 16.3049, 96.5641



12.8504, 5.1786, 65.9682



12.7548, 13.4493, 16.5759



9.6424, 7.1542, 40.6111



0.7070, 0.6282, 2.6584

Inverse Universe

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



30.2556, 15.4088, 9.9738



43.5328, 22.1771, 14.0038



47.3980, 61.2689, 9.3295



13.2661, 13.1355, 14.6625



18.3624, 9.3460, 6.2883



1.2312, 0.6221, 0.6263

Previews

White Background



This preview shows how the XYZ color 15.7729, 11.5068, 67.0353 looks on a white background.

Color Contrast Check

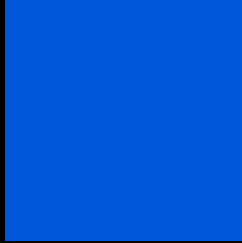
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7729, 11.5068, 67.0353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

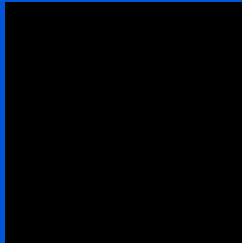
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.7729, 11.5068, 67.0353

Background



This preview shows how black text looks on a background with the XYZ color 15.7729, 11.5068, 67.0353.



This preview shows how white text looks on a background with the XYZ color 15.7729, 11.5068,

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

15.7729, 11.5068, 67.0353

Protanopia

13.4787, 11.3772, 52.5246

Deuteranopia

11.2506, 11.4885, 37.7009



Tritanopia

8.0787, 11.4779, 17.1189

Trichromacy



Original Color

15.7729, 11.5068, 67.0353

Protanomaly

14.2330, 11.4090, 57.3291

Deuteranomaly

12.6713, 11.3315, 47.4183

Tritanomaly

9.8727, 10.9374, 30.4449

Monochromacy



Original Color

15.7729, 11.5068, 67.0353

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

7.8457, 7.7526, 21.1616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7729, 11.5068, 67.0353 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, 85, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 85, 217)  
}
```

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, 85, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 85, 217) }
```

Border

The CSS property to change the border of an element to XYZ 15.7729, 11.5068, 67.0353 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, 85, 217) }
```


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

```
.border{ border-color:rgb(0, 85, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 85, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 85, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 85, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 85, 217)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.7729, 11.5068, 67.0353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 85, 217) }
```

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

```
.background{ background-color: rgb(0, 85,  
217) }
```

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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