

Converting Colors

XYZ(15.5919, 11.1968, 66.8149)

Have a look what the booklet for
XYZ(15.5919, 11.1968, 66.8149)
contains.

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Color

**XYZ(15.6176, 11.1963,
66.9836)**

Conversions

Conversions Part 1

Format	Color
Hex	0053D9
RGB	0, 83, 217
RGB Percent	0%, 33%, 85%
CMY	0.9998, 0.6745, 0.1490
CMYK	1.00, 0.62, 0.00, 0.15
HSL	217°, 100%, 43%
HSV	217°, 100%, 85%
XYZ	15.6176, 11.1963, 66.9836
YIQ	73.4590, -92.4820, 24.0780

Conversions

Conversions Part 2

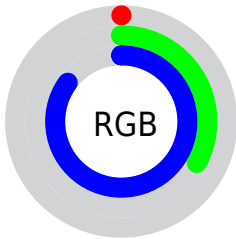
Format	Color
R _Y B	0, 60, 217
Decimal	21465
CIE Lab	39.91, 32.87, -73.70
CIE LCh	40, 80.701, 294.037
Yxy	11.1963, 0.1665, 0.1194
Android (android.graphics.Color)	4278211545 (0xFF0053D9)
YUV	73.4590, 70.7657, -64.4235
Hunter-Lab	33.4609, 24.7569, -95.2670

Details

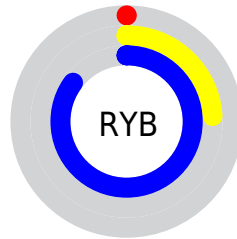
The XYZ color **15.6176, 11.1963, 66.9836** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **37.1474, 31.8153, 4.1844**, and the grayscale version is **6.3073, 6.6358, 7.2263**.

A 20% lighter version of the original color is **32.0102, 26.6656, 98.0676**, and **7.1918, 4.0908, 34.1288** is the 20% darker color. If you saturate the color by 10%, you get **15.6155, 11.1918, 66.9832**, and if you desaturate by 10%, it is **17.0695, 13.6169, 67.3746**.

Distribution



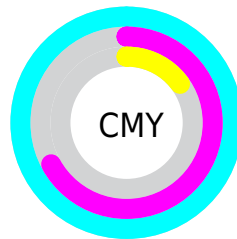
- Red (0%)
- Green (33%)
- Blue (85%)



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



- Cyan (100%)
- Magenta (62%)
- Yellow (0%)
- Black (15%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6176, 11.1963, 66.9836 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 15.6176, 11.1963, 66.9836 by changing the saturation by 10% instead.

■ 15.6176, 11.1963,
66.9836

■ 15.6176, 11.1963,
66.9836

220.3896,
199.0094, 468.3863

■ 9.3431, 6.1990,
48.6098

■ 35.4959, 28.0226,
116.5373

■ 5.0245, 2.9665,
33.9466

■ 49.8304, 40.6204,
148.5543

■ 2.2966, 1.1143,
22.5756

■ 67.5822, 56.5205,
185.9562

■ 0.7929, 0.0000,
14.0781

■ 89.1168, 76.1073,
229.1613

■ 0.0000, 0.0000,
8.0356

■ 114.7995, 99.7652,
278.5884

■ 0.0000, 0.0000,
4.0296

144.9956,

■ 0.0000, 0.0000,

127.8786, 334.6559

1.6416

180.0705,
160.8318, 397.7823

■ 0.0000, 0.0000,
0.3203

■ 0.0000, 0.0000,
0.0000

■ 15.6176, 11.1963,
66.9836

■ 15.6176, 11.1963,
66.9836

■ 15.6155, 11.1918,
66.9832

■ 17.0695, 13.6169,
67.3746

■ 19.0945, 16.6430,
67.8520

■ 21.8230, 20.3563,
68.4249

■ 25.3312, 24.8097,
69.0996

■ 29.6842, 30.0496,
69.8816

■ 34.9397, 36.1180,
70.7759

■ 41.1501, 43.0535,
71.7873

■ 48.3634, 50.8917,
72.9200

■ 56.6241, 59.6665,
74.1783

Harmonies

Analogous

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



9.5693, 11.1963, 75.0385



15.6176, 11.1963, 66.9836



21.8525, 11.1963, 40.4608

Triad

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



15.6176, 11.1963, 66.9836



18.2358, 11.1963, 0.2439



3.1569, 11.1963, 9.2788

Complementary

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



15.6176, 11.1963, 66.9836



37.1474, 31.8153, 4.1844

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.



4.1220, 11.1963, 1.6015



15.6176, 11.1963, 66.9836



11.7914, 11.1963, 0.0000

Square

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



15.6176, 11.1963, 66.9836



23.6963, 11.1963, 3.4887



6.8539, 11.1963, 0.0000



3.5596, 11.1963, 29.3993

Rectangle

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



15.6176, 11.1963, 66.9836



24.5852, 11.1963, 22.6987



6.8539, 11.1963, 0.0000



3.3172, 11.1963, 5.5604

Sweetspot

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



15.6183, 11.1965, 66.9839



59.0200, 61.7341, 103.4129



29.1051, 51.3429, 30.8701



11.7845, 12.2735, 21.9979



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.



15.6183, 11.1965, 66.9839



22.3710, 15.8621, 96.4903



12.9347, 5.2220, 65.9722



12.7448, 13.4293, 16.5725



9.5474, 6.9642, 40.5794



0.7003, 0.6146, 2.6562

Inverse Universe

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



30.1772, 15.3773, 9.5611



43.4211, 22.1324, 13.4153



46.4728, 60.7920, 9.2860



13.2610, 13.1335, 14.6358



18.3144, 9.3268, 6.0357



1.2277, 0.6207, 0.6083

Previews

White Background



This preview shows how the XYZ color 15.6176, 11.1963, 66.9836 looks on a white background.

Color Contrast Check

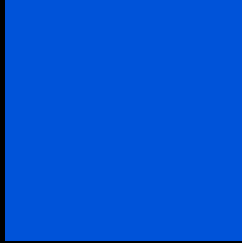
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.6176, 11.1963, 66.9836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

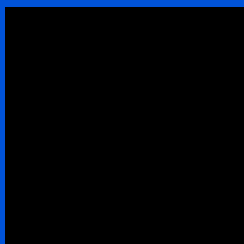
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

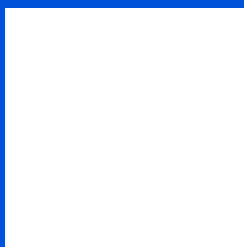
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.6176, 11.1963, 66.9836

Background



This preview shows how black text looks on a background with the XYZ color 15.6176, 11.1963, 66.9836.



This preview shows how white text looks on a background with the XYZ color 15.6176, 11.1963,

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

15.6176, 11.1963, 66.9836

Protanopia

13.0601, 11.0739, 50.7394

Deuteranopia

10.8837, 11.0461, 36.6804



Tritanopia

7.7648, 11.0264, 16.4709

Trichromacy



Original Color

15.6176, 11.1963, 66.9836

Protanomaly

13.8335, 10.9865, 56.0351

Deuteranomaly

12.2883, 10.9011, 46.2562

Tritanomaly

9.6077, 10.5357, 29.9610

Monochromacy



Original Color

15.6176, 11.1963, 66.9836

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

7.4823, 7.3693, 20.4301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6176, 11.1963, 66.9836 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, 83, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 83, 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, 83, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 83, 217) }
```

Border

The CSS property to change the border of an element to XYZ 15.6176, 11.1963, 66.9836 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, 83, 217) }
```


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

```
.border{ border-color:rgb(0, 83, 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, 83, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 83, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 83, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 83, 217)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.6176, 11.1963, 66.9836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 83, 217) }
```

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

```
.background{ background-color: rgb(0, 83,  
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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