

Converting Colors

XYZ(7.8427, 8.9341, 67.0670)

Have a look what the booklet for
XYZ(7.8427, 8.9341, 67.0670)
contains.

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Color

**XYZ(16.7991, 13.5591,
67.3774)**

Conversions

Conversions Part 1

Format	Color
Hex	0061D9
RGB	0, 97, 217
RGB Percent	0%, 38%, 85%
CMY	0.9998, 0.6196, 0.1490
CMYK	1.00, 0.55, 0.00, 0.15
HSL	213°, 100%, 43%
HSV	213°, 100%, 85%
XYZ	16.7991, 13.5591, 67.3774
YIQ	81.6770, -96.3320, 16.7560

Conversions

Conversions Part 2

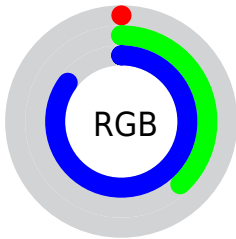
Format	Color
RYB	0, 67, 217
Decimal	25049
CIELab	43.59, 23.73, -67.68
CIELCh	44, 71.722, 289.320
Yxy	13.5591, 0.1719, 0.1387
Android (android.graphics.Color)	4278215129 (0xFF0061D9)
YUV	81.6770, 66.7142, -71.6307
Hunter-Lab	36.8227, 16.9949, -82.7118

Details

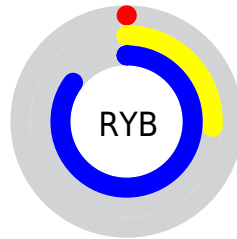
The XYZ color **16.7991, 13.5591, 67.3774** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **35.3393, 28.1990, 3.5820**, and the grayscale version is **7.8441, 8.2526, 8.9871**.

A 20% lighter version of the original color is **34.0772, 30.9710, 98.7897**, and **7.6610, 5.0292, 34.2852** is the 20% darker color. If you saturate the color by 10%, you get **16.7962, 13.5532, 67.3768**, and if you desaturate by 10%, it is **18.3189, 16.1155, 67.7911**.

Distribution



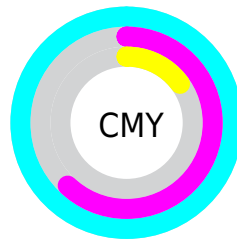
- Red (0%)
- Green (38%)
- Blue (85%)



- Red (0%)
- Yellow (26%)
- Blue (85%)



- Cyan (100%)
- Magenta (55%)
- Yellow (0%)
- Black (15%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7991, 13.5591, 67.3774 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 16.7991, 13.5591, 67.3774 by changing the saturation by 10% instead.

■ 16.7991, 13.5591,
67.3774

■ 16.7991, 13.5591,
67.3774

227.1909,
214.4704, 469.8250

■ 10.1858, 7.8147,
48.9279

■ 37.5264, 32.3046,
117.1068

■ 5.5855, 3.9766,
34.1971

■ 52.3711, 46.0745,
149.2237

■ 2.6330, 1.6605,
22.7664

■ 70.6902, 63.2884,
186.7336

■ 0.9628, 0.3979,
14.2175

■ 92.8492, 84.3305,
230.0548

■ 0.0000, 0.0000,
8.1316

■ 119.2134,
109.5854, 279.6061

■ 0.0000, 0.0000,
4.0903

150.1482,

■ 0.0000, 0.0000,

139.4375, 335.8058

1.6750

186.0189,
174.2710, 399.0726

■ 0.0000, 0.0000,
0.3435

■ 0.0000, 0.0000,
0.0000

■ 16.7991, 13.5591,
67.3774

■ 16.7991, 13.5591,
67.3774

■ 16.7962, 13.5532,
67.3768

■ 18.3189, 16.1155,
67.7911

■ 20.3781, 19.2095,
68.2798

■ 23.1037, 22.9166,
68.8517

■ 26.5690, 27.2838,
69.5120

■ 30.8365, 32.3523,
70.2654

■ 35.9615, 38.1591,
71.1161

■ 41.9939, 44.7380,
72.0680

■ 48.9795, 52.1205,
73.1248

■ 56.9610, 60.3361,
74.2899

Harmonies

Analogous

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



10.9887, 13.5591, 70.7489



16.7991, 13.5591, 67.3774



22.9300, 13.5591, 45.4760

Triad

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



16.7991, 13.5591, 67.3774



21.2825, 13.5591, 1.5390



4.9238, 13.5591, 9.7432

Complementary

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



16.7991, 13.5591, 67.3774



35.3393, 28.1990, 3.5820

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.



6.3120, 13.5591, 2.3899



16.7991, 13.5591, 67.3774



14.9934, 13.5591, 0.3274

Square

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



16.7991, 13.5591, 67.3774



25.9947, 13.5591, 6.7154



9.6358, 13.5591, 0.5229



5.1488, 13.5591, 27.5361

Rectangle

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



16.7991, 13.5591, 67.3774



25.8550, 13.5591, 28.5942



9.6358, 13.5591, 0.5229



5.1965, 13.5591, 6.3157

Sweetspot

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



16.7998, 13.5594, 67.3778



60.2400, 64.1741, 103.8196



28.1661, 50.9673, 25.9246



12.0707, 12.8458, 22.0932



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.



16.7998, 13.5594, 67.3778



24.0614, 19.2429, 97.0538



12.6618, 5.0815, 65.9595



12.8153, 13.5704, 16.5960



10.2695, 8.4085, 40.8201



0.7504, 0.7150, 2.6729

Inverse Universe

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



30.7737, 15.6161, 12.7014



44.2743, 22.4737, 17.9084



50.3095, 62.7699, 9.4659



13.2966, 13.1478, 14.8233



18.6789, 9.4726, 7.9551



1.2531, 0.6309, 0.7416

Previews

White Background



This preview shows how the XYZ color 16.7991, 13.5591, 67.3774 looks on a white background.

Color Contrast Check

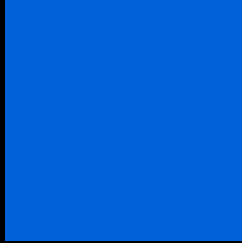
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7991, 13.5591, 67.3774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

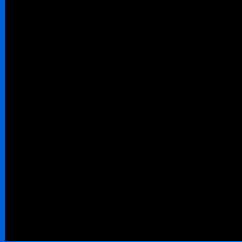
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.7991, 13.5591, 67.3774

Background



This preview shows how black text looks on a background with the XYZ color 16.7991, 13.5591, 67.3774.



This preview shows how white text looks on a background with the XYZ color 16.7991, 13.5591,

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

16.7991, 13.5591, 67.3774

Protanopia

16.0947, 13.5768, 62.7451

Deuteranopia

13.3921, 13.4393, 45.6043



Tritanopia

9.4685, 13.4151, 20.1795

Trichromacy



Original Color

16.7991, 13.5591, 67.3774

Protanomaly

16.3779, 13.5395, 64.7010

Deuteranomaly

14.4890, 13.3978, 52.8613

Tritanomaly

11.3633, 13.1254, 33.3870

Monochromacy



Original Color

16.7991, 13.5591, 67.3774

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

8.9211, 9.1851, 22.7754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7991, 13.5591, 67.3774 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, 97, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 97, 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, 97, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 97, 217) }
```

Border

The CSS property to change the border of an element to XYZ 16.7991, 13.5591, 67.3774 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, 97, 217) }
```


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

```
.border{ border-color:rgb(0, 97, 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, 97, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 97, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 97, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 97, 217)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.7991, 13.5591, 67.3774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 97, 217) }
```

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

```
.background{ background-color: rgb(0, 97,  
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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