

Converting Colors

XYZ(17.0164, 12.4186, 72.3059)

Have a look what the booklet for
XYZ(17.0164, 12.4186, 72.3059)
contains.

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Color

**XYZ(16.9443, 12.3613,
72.0139)**

Conversions

Conversions Part 1

Format	Color
Hex	0058E0
RGB	0, 88, 224
RGB Percent	0%, 35%, 88%
CMY	0.9998, 0.6549, 0.1216
CMYK	1.00, 0.61, 0.00, 0.12
HSL	216°, 100%, 44%
HSV	216°, 100%, 88%
XYZ	16.9443, 12.3613, 72.0139
YIQ	77.1920, -96.1040, 23.6400

Conversions

Conversions Part 2

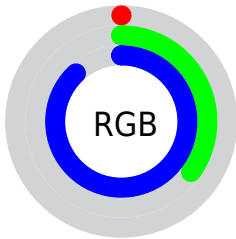
Format	Color
RYB	0, 63, 224
Decimal	22752
CIELab	41.78, 32.33, -74.62
CIELCh	42, 81.328, 293.426
Yxy	12.3613, 0.1672, 0.1220
Android (android.graphics.Color)	4278212832 (0xFF0058E0)
YUV	77.1920, 72.3763, -67.6974
Hunter-Lab	35.1586, 24.4984, -96.8301

Details

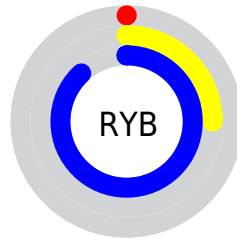
The XYZ color **16.9443, 12.3613, 72.0139** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **39.5535, 33.4727, 4.3779**, and the grayscale version is **6.9756, 7.3389, 7.9921**.

A 20% lighter version of the original color is **32.9395, 28.1755, 98.3101**, and **7.8757, 4.5914, 37.0303** is the 20% darker color. If you saturate the color by 10%, you get **16.9414, 12.3553, 72.0133**, and if you desaturate by 10%, it is **18.5081, 14.9826, 72.4378**.

Distribution



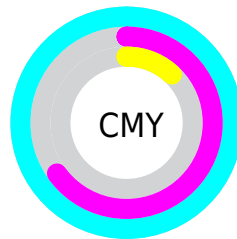
- Red (0%)
- Green (35%)
- Blue (88%)



- Red (0%)
- Yellow (25%)
- Blue (88%)



- Cyan (100%)
- Magenta (61%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (65%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9443, 12.3613, 72.0139 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 16.9443, 12.3613, 72.0139 by changing the saturation by 10% instead.

■ 16.9443, 12.3613,
72.0139

■ 16.9443, 12.3613,
72.0139

228.0137,
206.7827, 486.5688

■ 10.2898, 6.9902,
52.6831

■ 37.7743, 30.1515,
123.7842

■ 5.6553, 3.4560,
37.1639

■ 52.6806, 43.3393,
157.0608

■ 2.6753, 1.3742,
25.0376

■ 71.0683, 59.9016,
195.8231

■ 0.9845, 0.1976,
15.8858

■ 93.3026, 80.2227,
240.4896

■ 0.0000, 0.0000,
9.2899

■ 119.7489,
104.6869, 291.4789

■ 0.0000, 0.0000,
4.8314

150.7726,

■ 0.0000, 0.0000,

133.6788, 349.2095

2.0917

186.7391,
167.5826, 414.1000

■ 0.0000, 0.0000,
0.6108

■ 0.0000, 0.0000,
0.0000

■ 16.9443, 12.3613,
72.0139

■ 16.9443, 12.3613,
72.0139

■ 16.9414, 12.3553,
72.0133

■ 18.5081, 14.9826,
72.4378

■ 20.6849, 18.2452,
72.9528

■ 23.6124, 22.2349,
73.5686

■ 27.3727, 27.0079,
74.2917

■ 32.0356, 32.6133,
75.1279

■ 37.6633, 39.0956,
76.0825

■ 44.3117, 46.4956,
77.1604

■ 52.0323, 54.8512,
78.3663

■ 60.8731, 64.1979,
79.7044

Harmonies

Analogous

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



10.4800, 12.3613, 79.9358



16.9443, 12.3613, 72.0139



23.6274, 12.3613, 44.2020

Triad

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



16.9443, 12.3613, 72.0139



20.0277, 12.3613, 0.4704



3.6234, 12.3613, 10.0274

Complementary

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



16.9443, 12.3613, 72.0139



39.5535, 33.4727, 4.3779

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.



4.7181, 12.3613, 1.8233



16.9443, 12.3613, 72.0139



13.1166, 12.3613, 0.0000

Square

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



16.9443, 12.3613, 72.0139



25.7896, 12.3613, 4.1479



7.7417, 12.3613, 0.0000



4.0366, 12.3613, 31.2763

Rectangle

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



16.9443, 12.3613, 72.0139



26.5923, 12.3613, 25.2211



7.7417, 12.3613, 0.0000



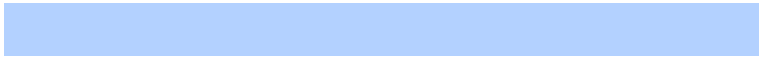
3.8102, 12.3613, 6.0765

Sweetspot

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



16.9450, 12.3616, 72.0143



59.2131, 62.1203, 103.4773



30.9892, 55.0450, 31.7010



11.8297, 12.3638, 22.0129



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.



16.9450, 12.3616, 72.0143



22.6203, 16.3607, 96.5734



13.7962, 5.5589, 70.8672



13.3914, 14.1218, 17.4077



9.9655, 7.4005, 41.9516



0.7762, 0.6838, 2.9363

Inverse Universe

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



32.5027, 16.5532, 10.7144



43.5469, 22.1828, 14.0779



50.9068, 65.8134, 10.0219



13.9290, 13.7892, 15.3963



18.9703, 9.6551, 6.5094



1.3580, 0.6865, 0.6782

Previews

White Background



This preview shows how the XYZ color 16.9443, 12.3613, 72.0139 looks on a white background.

Color Contrast Check

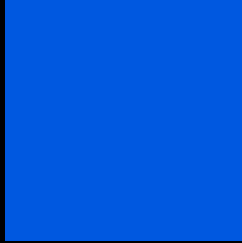
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9443, 12.3613, 72.0139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

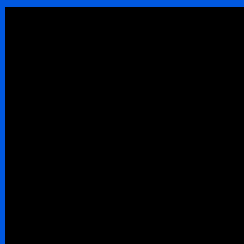
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.9443, 12.3613, 72.0139

Background



This preview shows how black text looks on a background with the XYZ color 16.9443, 12.3613, 72.0139.



This preview shows how white text looks on a background with the XYZ color 16.9443, 12.3613,

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

16.9443, 12.3613, 72.0139

Protanopia

14.5175, 12.3545, 56.2631

Deuteranopia

12.1001, 12.2859, 40.7634



Tritanopia

8.5632, 12.1751, 18.1184

Trichromacy



Original Color

16.9443, 12.3613, 72.0139

Protanomaly

15.3358, 12.2577, 61.8793

Deuteranomaly

13.5868, 12.1273, 50.9149

Tritanomaly

10.5701, 11.6739, 32.7065

Monochromacy



Original Color

16.9443, 12.3613, 72.0139

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

8.2383, 8.1495, 22.2579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9443, 12.3613, 72.0139 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, 88, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 88, 224)  
}
```

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, 88, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 88, 224) }
```

Border

The CSS property to change the border of an element to XYZ 16.9443, 12.3613, 72.0139 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, 88, 224) }
```


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

```
.border{ border-color:rgb(0, 88, 224) }
```

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

Here you see how a box with a 4 pixel rgb(0, 88, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 88, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 88, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 88, 224)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.9443, 12.3613, 72.0139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 88, 224) }
```

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

```
.background{ background-color: rgb(0, 88,  
224) }
```

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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