

Converting Colors

XYZ(16.9469, 15.8739, 61.2022)

Have a look what the booklet for
XYZ(16.9469, 15.8739, 61.2022)
contains.

XYZ(16.9469, 15.8739, 61.2022)	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(16.9469, 15.8739,
61.2022)**

Conversions

Conversions Part 1

Format	Color
Hex	006FCF
RGB	0, 111, 207
RGB Percent	0%, 44%, 81%
CMY	0.9998, 0.5647, 0.1882
CMYK	1.00, 0.46, 0.00, 0.19
HSL	208°, 100%, 41%
HSV	208°, 100%, 81%
XYZ	16.9469, 15.8739, 61.2022
YIQ	88.7550, -96.9720, 6.3240

Conversions

Conversions Part 2

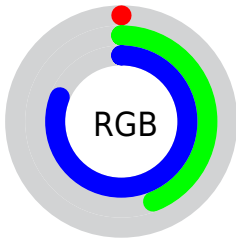
Format	Color
RYB	0, 72, 207
Decimal	28623
CIELab	46.81, 10.69, -56.77
CIELCh	47, 57.764, 280.667
Yxy	15.8739, 0.1802, 0.1688
Android (android.graphics.Color)	4278218703 (0xFF006FCF)
YUV	88.7550, 58.2948, -77.8381
Hunter-Lab	39.8421, 6.2017, -63.1871

Details

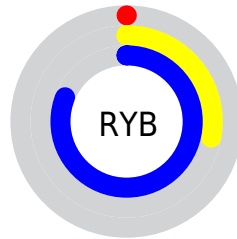
The XYZ color **16.9469, 15.8739, 61.2022** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **29.9194, 21.6394, 2.6012**, and the grayscale version is **9.3355, 9.8217, 10.6958**.

A 20% lighter version of the original color is **36.1159, 35.7133, 99.5976**, and **7.5009, 5.9338, 30.4558** is the 20% darker color. If you saturate the color by 10%, you get **16.9448, 15.8696, 61.2019**, and if you desaturate by 10%, it is **18.3556, 18.2401, 61.5851**.

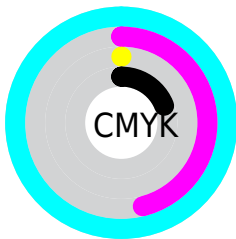
Distribution



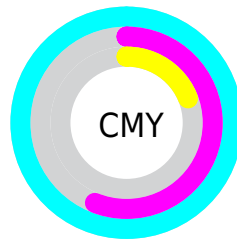
- Red (0%)
- Green (44%)
- Blue (81%)



- Red (0%)
- Yellow (28%)
- Blue (81%)



- Cyan (100%)
- Magenta (46%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (56%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9469, 15.8739, 61.2022 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 16.9469, 15.8739, 61.2022 by changing the saturation by 10% instead.

■ 16.9469, 15.8739,
61.2022

■ 16.9469, 15.8739,
61.2022

228.0284,
228.5965, 446.9421

■ 10.2917, 9.4350,
43.9568

■ 37.7788, 36.3792,
108.1320

■ 5.6565, 5.0260,
30.2996

■ 52.6862, 51.2143,
138.6535

■ 2.6760, 2.2625,
19.8121

■ 71.0750, 69.6169,
174.4374

■ 0.9849, 0.7538,
12.0758

■ 93.3107, 91.9714,
215.9022

■ 0.0000, 0.0000,
6.6722

■ 119.7585,
118.6622, 263.4666

■ 0.0000, 0.0000,
3.1826

150.7838,

■ 0.0000, 0.0000,

150.0738, 317.5490

1.1886

186.7520,
186.5904, 378.5680

■ 0.0000, 0.0000,
0.0000

■ 16.9469, 15.8739,
61.2022

■ 16.9469, 15.8739,
61.2022

■ 16.9448, 15.8696,
61.2019

■ 18.3556, 18.2401,
61.5851

■ 20.2047, 21.0054,
62.0214

■ 22.6081, 24.2336,
62.5178

■ 25.6284, 27.9615,
63.0782

■ 29.3188, 32.2209,
63.7058

■ 33.7262, 37.0405,
64.4038

■ 38.8931, 42.4462,
65.1749

■ 44.8582, 48.4620,
66.0216

■ 51.6577, 55.1105,
66.9466

Harmonies

Analogous

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



12.1110, 15.8739, 58.7237



16.9469, 15.8739, 61.2022



22.2968, 15.8739, 47.8961

Triad

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



16.9469, 15.8739, 61.2022



23.6625, 15.8739, 4.7992



7.6863, 15.8739, 9.6493

Complementary

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



16.9469, 15.8739, 61.2022



29.9194, 21.6394, 2.6012

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.



9.6286, 15.8739, 3.6482



16.9469, 15.8739, 61.2022



18.5160, 15.8739, 2.1175

Square

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



16.9469, 15.8739, 61.2022



26.7074, 15.8739, 12.6530



13.3696, 15.8739, 1.8618



7.4479, 15.8739, 22.9260

Rectangle

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



16.9469, 15.8739, 61.2022



25.1703, 15.8739, 34.6823



13.3696, 15.8739, 1.8618



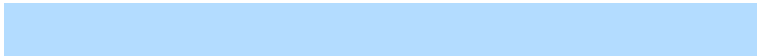
8.1373, 15.8739, 6.9668

Sweetspot

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



16.9476, 15.8743, 61.2026



61.9909, 67.6760, 104.4033



24.2970, 45.4196, 17.8828



12.4840, 13.6724, 22.2310



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.



16.9476, 15.8743, 61.2026



26.9551, 25.0302, 98.0184



11.3759, 4.7309, 59.3454



11.6810, 12.4524, 15.0315



10.7716, 10.1898, 38.5916



0.6813, 0.7277, 2.1841

Inverse Universe

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



28.6020, 14.4142, 16.3138



45.7349, 23.0580, 25.5997



45.6200, 53.0405, 7.8347



12.0699, 11.9127, 13.6439



18.0677, 9.0999, 10.5288



1.0501, 0.5248, 0.7987

Previews

White Background



This preview shows how the XYZ color 16.9469, 15.8739, 61.2022 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 16.9469, 15.8739, 61.2022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

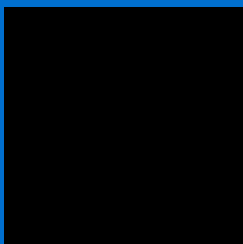
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.9469, 15.8739, 61.2022

Background



This preview shows how black text looks on a background with the XYZ color 16.9469, 15.8739, 61.2022.



This preview shows how white text looks on a background with the XYZ color 16.9469, 15.8739,

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

16.9469, 15.8739, 61.2022

Protanopia

18.0238, 15.8513, 58.6096

Deuteranopia

16.0982, 15.8875, 55.6442



Tritanopia

11.1797, 15.8046, 23.9341

Trichromacy



Original Color

16.9469, 15.8739, 61.2022

Protanomaly

17.0983, 15.5161, 59.2205

Deuteranomaly

16.3368, 15.8054, 57.4480

Tritanomaly

12.8548, 15.6969, 35.1532

Monochromacy



Original Color

16.9469, 15.8739, 61.2022

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.1269, 11.0852, 23.4357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9469, 15.8739, 61.2022 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, 111, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 111, 207)  
}
```

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, 111, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 111, 207) }
```

Border

The CSS property to change the border of an element to XYZ 16.9469, 15.8739, 61.2022 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, 111, 207) }
```


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

```
.border{ border-color:rgb(0, 111, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 111, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 111, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 111, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 111,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9469, 15.8739, 61.2022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 111, 207) }
```

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

```
.background{ background-color: rgb(0, 111,  
207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor