

Converting Colors

XYZ(9.4901, 12.2045, 59.6759)

Have a look what the booklet for
XYZ(9.4901, 12.2045, 59.6759)
contains.

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Color

**XYZ(16.8136, 15.9961,
59.9590)**

Conversions

Conversions Part 1

Format	Color
Hex	0070CD
RGB	0, 112, 205
RGB Percent	0%, 44%, 80%
CMY	0.9998, 0.5608, 0.1961
CMYK	1.00, 0.45, 0.00, 0.20
HSL	207°, 100%, 40%
HSV	207°, 100%, 80%
XYZ	16.8136, 15.9961, 59.9590
YIQ	89.1140, -96.6050, 5.1790

Conversions

Conversions Part 2

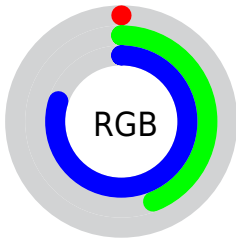
Format	Color
R_{YB}	0, 72, 205
Decimal	28877
CIE _{Lab}	46.97, 9.26, -55.36
CIE _{LCh}	47, 56.132, 279.495
Yxy	15.9961, 0.1812, 0.1724
Android (android.graphics.Color)	4278218957 (0xFF0070CD)
YUV	89.1140, 57.1318, -78.1530
Hunter-Lab	39.9951, 5.0484, -60.8885

Details

The XYZ color **16.8136, 15.9961, 59.9590** 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 **29.0956, 20.8161, 2.4857**, and the grayscale version is **9.4168, 9.9072, 10.7890**.

A 20% lighter version of the original color is **36.2928, 36.0670, 99.6565**, and **7.3953, 5.9826, 29.6191** is the 20% darker color. If you saturate the color by 10%, you get **16.8115, 15.9917, 59.9586**, and if you desaturate by 10%, it is **18.1934, 18.3107, 60.3334**.

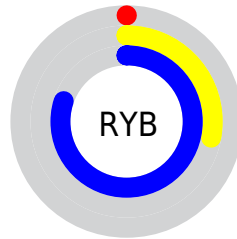
Distribution



Red (0%)

Green (44%)

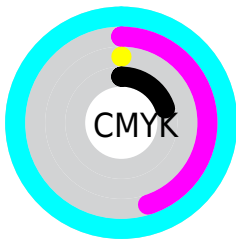
Blue (80%)



Red (0%)

Yellow (28%)

Blue (80%)

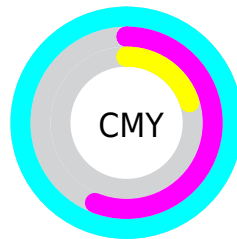


Cyan (100%)

Magenta (45%)

Yellow (0%)

Black (20%)



Cyan (100%)

Magenta (56%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8136, 15.9961, 59.9590 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 16.8136, 15.9961, 59.9590 by changing the saturation by 10% instead.

■ 16.8136, 15.9961,
59.9590

■ 16.8136, 15.9961,
59.9590

227.2732,
229.3187, 442.2471

■ 10.1962, 9.5214,
42.9605

■ 37.5512, 36.5914,
106.3130

■ 5.5925, 5.0828,
29.5230

■ 52.4020, 51.4809,
136.5055

■ 2.6372, 2.2959,
19.2278

■ 70.7280, 69.9440,
171.9332

■ 0.9649, 0.7716,
11.6565

■ 92.8946, 92.3652,
213.0145

■ 0.0000, 0.0000,
6.3906

■ 119.2670,
119.1288, 260.1680

■ 0.0000, 0.0000,
3.0114

150.2107,

■ 0.0000, 0.0000,

150.6194, 313.8123

1.1005

186.0909,
187.2212, 374.3658

■ 0.0000, 0.0000,
0.0000

■ 16.8136, 15.9961,
59.9590

■ 16.8136, 15.9961,
59.9590

■ 16.8115, 15.9917,
59.9586

■ 18.1934, 18.3107,
60.3334

■ 19.9991, 21.0068,
60.7587

■ 22.3422, 24.1463,
61.2411

■ 25.2837, 27.7648,
61.7845

■ 28.8753, 31.8930,
62.3921

■ 33.1626, 36.5584,
63.0666

■ 38.1869, 41.7861,
63.8109

■ 43.9859, 47.5991,
64.6272

■ 50.5945, 54.0191,
65.5181

Harmonies

Analogous

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



12.1332, 15.9961, 56.9522



16.8136, 15.9961, 59.9590



22.0270, 15.9961, 47.6876

Triad

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



16.8136, 15.9961, 59.9590



23.7065, 15.9961, 5.2658



7.9695, 15.9961, 9.5644

Complementary

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



16.8136, 15.9961, 59.9590



29.0956, 20.8161, 2.4857

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.



9.9589, 15.9961, 3.7814



16.8136, 15.9961, 59.9590



18.7532, 15.9961, 2.3892

Square

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



16.8136, 15.9961, 59.9590



26.5342, 15.9961, 13.3298



13.7002, 15.9961, 2.0498



7.6688, 15.9961, 22.2645

Rectangle

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



16.8136, 15.9961, 59.9590



24.8652, 15.9961, 35.0440



13.7002, 15.9961, 2.0498



8.4387, 15.9961, 6.9880

Sweetspot

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



16.8143, 15.9966, 59.9594



62.1937, 68.0816, 104.4709



23.7759, 44.4408, 17.5133



12.5320, 13.7686, 22.2470



0.0000, 0.0000, 0.0000



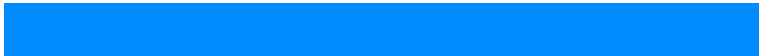
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.8143, 15.9966, 59.9594



27.3249, 25.7697, 98.1416



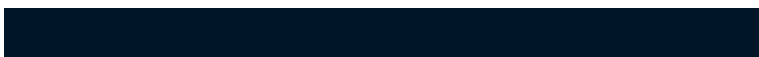
11.1318, 4.6316, 58.0653



11.1011, 11.8426, 14.2711



10.5618, 10.1477, 37.3583



0.6201, 0.6740, 1.9524

Inverse Universe

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



28.1022, 14.1501, 16.5795



45.9215, 23.1326, 26.5826



44.6370, 51.8989, 7.6662



11.4644, 11.3145, 12.9800



17.5420, 8.8274, 10.5730



0.9430, 0.4706, 0.7454

Previews

White Background



This preview shows how the XYZ color 16.8136, 15.9961, 59.9590 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 16.8136, 15.9961, 59.9590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

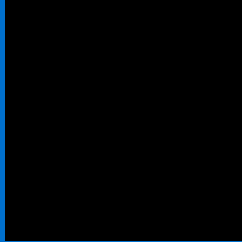
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.8136, 15.9961, 59.9590

Background



This preview shows how black text looks on a background with the XYZ color 16.8136, 15.9961, 59.9590.



This preview shows how white text looks on a background with the XYZ color 16.8136, 15.9961,

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

16.8136, 15.9961, 59.9590

Protanopia

18.0852, 16.0660, 57.4062

Deuteranopia

16.3305, 15.9804, 56.8674



Tritanopia

11.2478, 15.8319, 24.2928

Trichromacy



Original Color

16.8136, 15.9961, 59.9590

Protanomaly

17.0438, 15.6730, 58.0040

Deuteranomaly

16.5658, 16.0745, 58.1067

Tritanomaly

12.8548, 15.6969, 35.1532

Monochromacy



Original Color

16.8136, 15.9961, 59.9590

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.0588, 11.0579, 23.0770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8136, 15.9961, 59.9590 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, 112, 205)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 205)  
}
```

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, 112, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 205) }
```

Border

The CSS property to change the border of an element to XYZ 16.8136, 15.9961, 59.9590 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, 112, 205) }
```


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

```
.border{ border-color:rgb(0, 112, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 112, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 205);  
box-shadow:4px 4px 4px 4px rgb(0, 112,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8136, 15.9961, 59.9590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 112, 205) }
```

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

```
.background{ background-color: rgb(0, 112,  
205) }
```

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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