

Converting Colors

XYZ(6.5488, 10.0785, 59.3278)

Have a look what the booklet for
XYZ(6.5488, 10.0785, 59.3278)
contains.

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Color

**XYZ(16.3820, 15.1329,
59.8151)**

Conversions

Conversions Part 1

Format	Color
Hex	006CCD
RGB	0, 108, 205
RGB Percent	0%, 42%, 80%
CMY	0.9998, 0.5765, 0.1961
CMYK	1.00, 0.47, 0.00, 0.20
HSL	208°, 100%, 40%
HSV	208°, 100%, 80%
XYZ	16.3820, 15.1329, 59.8151
YIQ	86.7660, -95.5050, 7.2710

Conversions

Conversions Part 2

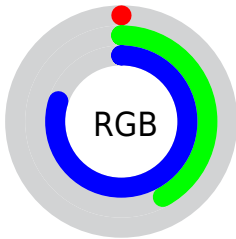
Format	Color
R _Y B	0, 71, 205
Decimal	27853
CIE Lab	45.82, 11.81, -57.22
CIE LCh	46, 58.427, 281.662
Yxy	15.1329, 0.1794, 0.1657
Android (android.graphics.Color)	4278217933 (0xFF006CCD)
YUV	86.7660, 58.2894, -76.0938
Hunter-Lab	38.9010, 7.0931, -63.9349

Details

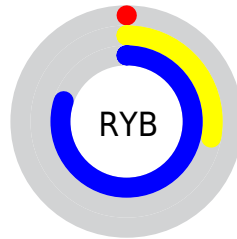
The XYZ color **16.3820, 15.1329, 59.8151** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **29.4562, 21.5373, 2.6059**, and the grayscale version is **8.9057, 9.3695, 10.2034**.

A 20% lighter version of the original color is **35.5937, 34.6689, 99.4235**, and **7.2276, 5.6473, 29.5633** is the 20% darker color. If you saturate the color by 10%, you get **16.3798, 15.1284, 59.8147**, and if you desaturate by 10%, it is **17.7627, 17.4493, 60.1898**.

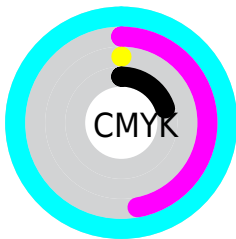
Distribution



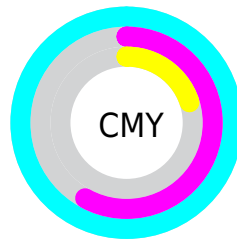
- Red (0%)
- Green (42%)
- Blue (80%)



- Red (0%)
- Yellow (28%)
- Blue (80%)



- Cyan (100%)
- Magenta (47%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (58%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3820, 15.1329, 59.8151 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 16.3820, 15.1329, 59.8151 by changing the saturation by 10% instead.

■ 16.3820, 15.1329,
59.8151

■ 16.3820, 15.1329,
59.8151

224.8117,
224.1692, 441.7016

■ 9.8874, 8.9127,
42.8453

■ 36.8122, 35.0862,
106.1021

■ 5.3861, 4.6843,
29.4332

■ 51.4786, 49.5880,
136.2565

■ 2.5126, 2.0632,
19.1604

■ 69.5996, 67.6192,
171.6427

■ 0.9016, 0.6438,
11.6083

■ 91.5406, 89.5642,
212.6794

■ 0.0000, 0.0000,
6.3582

■ 117.6670,
115.8072, 259.7851

■ 0.0000, 0.0000,
2.9918

148.3440,

■ 0.0000, 0.0000,

146.7328, 313.3783

1.0905

183.9372,
182.7254, 373.8777

■ 0.0000, 0.0000,
0.0000

■ 16.3820, 15.1329,
59.8151

■ 16.3820, 15.1329,
59.8151

■ 16.3798, 15.1284,
59.8147

■ 17.7627, 17.4493,
60.1898

■ 19.5776, 20.1637,
60.6181

■ 21.9387, 23.3391,
61.1066

■ 24.9073, 27.0119,
61.6590

■ 28.5356, 31.2136,
62.2788

■ 32.8697, 35.9724,
62.9689

■ 37.9509, 41.3140,
63.7321

■ 43.8176, 47.2624,
64.5711

■ 50.5049, 53.8397,
65.4882

Harmonies

Analogous

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



11.6070, 15.1329, 57.9064



16.3820, 15.1329, 59.8151



21.6345, 15.1329, 46.1454

Triad

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



16.3820, 15.1329, 59.8151



22.6736, 15.1329, 4.2307



7.1416, 15.1329, 9.3372

Complementary

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



16.3820, 15.1329, 59.8151



29.4562, 21.5373, 2.6059

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.



8.9659, 15.1329, 3.3917



16.3820, 15.1329, 59.8151



17.5705, 15.1329, 1.8181

Square

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



16.3820, 15.1329, 59.8151



25.7827, 15.1329, 11.5842



12.5543, 15.1329, 1.6366



6.9642, 15.1329, 22.5841

Rectangle

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



16.3820, 15.1329, 59.8151



24.4223, 15.1329, 32.9778



12.5543, 15.1329, 1.6366



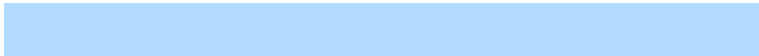
7.5592, 15.1329, 6.6710

Sweetspot

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



16.3827, 15.1333, 59.8155



61.8029, 67.3000, 104.3406



23.9292, 44.5021, 18.3206



12.4395, 13.5834, 22.2162



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.



16.3827, 15.1333, 59.8155



26.6186, 24.3572, 97.9062



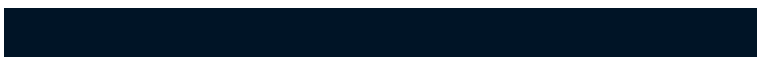
11.0947, 4.5574, 58.0529



11.0826, 11.8056, 14.2650



10.2929, 9.6098, 37.2687



0.6067, 0.6471, 1.9479

Inverse Universe

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



27.8843, 14.0629, 15.4322



45.5650, 22.9900, 24.7053



45.4099, 53.4447, 7.9238



11.4551, 11.3108, 12.9309



17.4063, 8.7731, 9.8581



0.9362, 0.4679, 0.7097

Previews

White Background



This preview shows how the XYZ color 16.3820, 15.1329, 59.8151 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 16.3820, 15.1329, 59.8151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

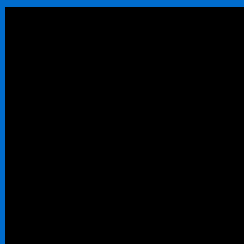
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.3820, 15.1329, 59.8151

Background



This preview shows how black text looks on a background with the XYZ color 16.3820, 15.1329, 59.8151.



This preview shows how white text looks on a background with the XYZ color 16.3820, 15.1329,

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

16.3820, 15.1329, 59.8151

Protanopia

17.3996, 15.2373, 57.9011

Deuteranopia

15.3135, 15.0469, 53.1362



Tritanopia

10.6128, 14.9915, 22.7564

Trichromacy



Original Color

16.3820, 15.1329, 59.8151

Protanomaly

16.6611, 14.9949, 58.5161

Deuteranomaly

15.6617, 15.0145, 55.4987

Tritanomaly

12.2461, 14.8911, 33.6813

Monochromacy



Original Color

16.3820, 15.1329, 59.8151

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

9.6970, 10.6083, 22.6556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3820, 15.1329, 59.8151 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, 108, 205)` looks like.

```
.text, #text, p{  
    color:rgb(0, 108, 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, 108, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 108, 205) }
```

Border

The CSS property to change the border of an element to XYZ 16.3820, 15.1329, 59.8151 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, 108, 205) }
```


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

```
.border{ border-color:rgb(0, 108, 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, 108, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 108, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 108, 205);  
box-shadow:4px 4px 4px 4px rgb(0, 108,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3820, 15.1329, 59.8151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 108, 205) }
```

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

```
.background{ background-color: rgb(0, 108,  
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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