

Converting Colors

XYZ(15.8940, 15.1074, 56.7219)

Have a look what the booklet for
XYZ(15.8940, 15.1074, 56.7219)
contains.

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Color

**XYZ(15.8940, 15.1074,
56.7219)**

Conversions

Conversions Part 1

Format	Color
Hex	006DC8
RGB	0, 109, 200
RGB Percent	0%, 43%, 78%
CMY	0.9998, 0.5725, 0.2157
CMYK	1.00, 0.45, 0.00, 0.22
HSL	207°, 100%, 39%
HSV	207°, 100%, 78%
XYZ	15.8940, 15.1074, 56.7219
YIQ	86.7830, -94.1750, 5.1930

Conversions

Conversions Part 2

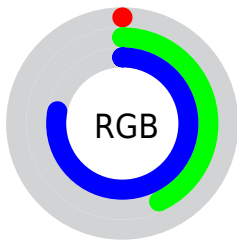
Format	Color
RYB	0, 71, 200
Decimal	28104
CIELab	45.78, 9.17, -54.41
CIELCh	46, 55.175, 279.566
Yxy	15.1074, 0.1812, 0.1722
Android (android.graphics.Color)	4278218184 (0xFF006DC8)
YUV	86.7830, 55.8160, -76.1087
Hunter-Lab	38.8682, 4.9728, -59.3164

Details

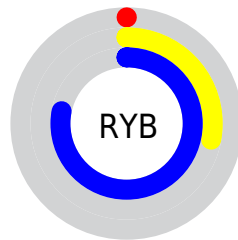
The XYZ color **15.8940, 15.1074, 56.7219** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **27.5651, 19.7700, 2.3645**, and the grayscale version is **8.9143, 9.3786, 10.2133**.

A 20% lighter version of the original color is **35.5506, 34.9030, 99.4710**, and **6.8883, 5.5993, 27.5058** is the 20% darker color. If you saturate the color by 10%, you get **15.8917, 15.1028, 56.7215**, and if you desaturate by 10%, it is **17.2054, 17.3004, 57.0764**.

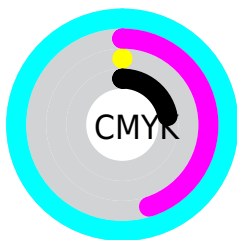
Distribution



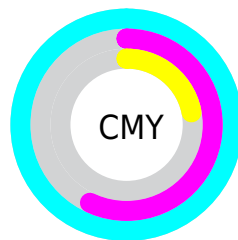
- Red (0%)
- Green (43%)
- Blue (78%)



- Red (0%)
- Yellow (28%)
- Blue (78%)



- Cyan (100%)
- Magenta (45%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (57%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8940, 15.1074, 56.7219 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 15.8940, 15.1074, 56.7219 by changing the saturation by 10% instead.

■ 15.8940, 15.1074,
56.7219

■ 15.8940, 15.1074,
56.7219

■ 221.9981,
224.0154, 429.8709

■ 9.5395, 8.8948,
40.3741

■ 35.9730, 35.0415,
101.5556

■ 5.1547, 4.6726,
27.5144

■ 50.4283, 49.5317,
130.8786

■ 2.3740, 2.0565,
17.7241

■ 68.3146, 67.5500,
165.3638

■ 0.8321, 0.6400,
10.5847

■ 89.9972, 89.4807,
205.4296

■ 0.0000, 0.0000,
5.6777

■ 115.8415,
115.7082, 251.4947

■ 0.0000, 0.0000,
2.5845

■ 146.2128,

■ 0.0000, 0.0000,

146.6169, 303.9776

0.8844

181.4766,
182.5911, 363.2968

■ 0.0000, 0.0000,
0.0000

■ 15.8940, 15.1074,
56.7219

■ 15.8940, 15.1074,
56.7219

■ 15.8917, 15.1028,
56.7215

■ 17.2054, 17.3004,
57.0764

■ 18.9182, 19.8539,
57.4790

■ 21.1393, 22.8272,
57.9359

■ 23.9258, 26.2538,
58.4504

■ 27.3265, 30.1626,
59.0257

■ 31.3843, 34.5795,
59.6643

■ 36.1379, 39.5281,
60.3690

■ 41.6230, 45.0302,
61.1419

■ 47.8726, 51.1062,
61.9853

Harmonies

Analogous

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



11.4630, 15.1074, 53.9097



15.8940, 15.1074, 56.7219



20.8275, 15.1074, 45.0701

Triad

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



15.8940, 15.1074, 56.7219



22.3970, 15.1074, 4.9488



7.5142, 15.1074, 9.0417

Complementary

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



15.8940, 15.1074, 56.7219



27.5651, 19.7700, 2.3645

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.



9.3913, 15.1074, 3.5654



15.8940, 15.1074, 56.7219



17.7061, 15.1074, 2.2418

Square

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



15.8940, 15.1074, 56.7219



25.0809, 15.1074, 12.5567



12.9264, 15.1074, 1.9261



7.2337, 15.1074, 21.0733

Rectangle

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



15.8940, 15.1074, 56.7219



23.5112, 15.1074, 33.0919



12.9264, 15.1074, 1.9261



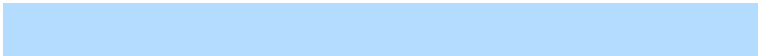
7.9565, 15.1074, 6.6015

Sweetspot

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



15.8947, 15.1078, 56.7223



62.1666, 68.0273, 104.4618



22.5016, 42.0478, 16.6089



12.5256, 13.7557, 22.2449



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.



15.8947, 15.1078, 56.7223



27.2750, 25.6699, 98.1250



10.5350, 4.3885, 54.9358



10.5275, 11.2291, 13.5301



10.1950, 9.7840, 36.0955



0.5545, 0.6068, 1.7330

Inverse Universe

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



26.5804, 13.3846, 15.6506



45.8963, 23.1225, 26.4499



42.2339, 49.1078, 7.2542



10.8715, 10.7320, 12.3068



16.9453, 8.5277, 10.1878



0.8386, 0.4183, 0.6731

Previews

White Background



This preview shows how the XYZ color 15.8940, 15.1074, 56.7219 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 15.8940, 15.1074, 56.7219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

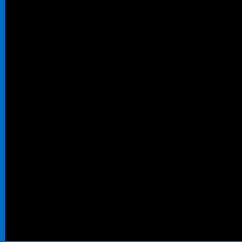
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.8940, 15.1074, 56.7219

Background



This preview shows how black text looks on a background with the XYZ color 15.8940, 15.1074, 56.7219.



This preview shows how white text looks on a background with the XYZ color 15.8940, 15.1074,

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

15.8940, 15.1074, 56.7219

Protanopia

17.0653, 15.1454, 54.2485

Deuteranopia

15.3135, 15.0469, 53.1362



Tritanopia

10.6128, 14.9915, 22.7564

Trichromacy



Original Color

15.8940, 15.1074, 56.7219

Protanomaly

16.1072, 14.7904, 54.8292

Deuteranomaly

15.5397, 15.1374, 54.3273

Tritanomaly

12.0781, 14.8239, 32.7966

Monochromacy



Original Color

15.8940, 15.1074, 56.7219

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

9.5640, 10.5552, 21.9553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8940, 15.1074, 56.7219 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, 109, 200)` looks like.

```
.text, #text, p{  
    color:rgb(0, 109, 200)  
}
```

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, 109, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 109, 200) }
```

Border

The CSS property to change the border of an element to XYZ 15.8940, 15.1074, 56.7219 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, 109, 200) }
```


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

```
.border{ border-color:rgb(0, 109, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 109, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 109, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 109, 200);  
box-shadow:4px 4px 4px 4px rgb(0, 109,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8940, 15.1074, 56.7219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 109, 200) }
```

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

```
.background{ background-color: rgb(0, 109,  
200) }
```

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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