

Converting Colors

XYZ(15.1780, 13.8227, 56.0265)

Have a look what the booklet for
XYZ(15.1780, 13.8227, 56.0265)
contains.

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Color

**XYZ(15.1591, 13.8240,
55.9022)**

Conversions

Conversions Part 1

Format	Color
Hex	0067C7
RGB	0, 103, 199
RGB Percent	0%, 40%, 78%
CMY	0.9998, 0.5961, 0.2196
CMYK	1.00, 0.48, 0.00, 0.22
HSL	209°, 100%, 39%
HSV	209°, 100%, 78%
XYZ	15.1591, 13.8240, 55.9022
YIQ	83.1470, -92.2040, 8.0200

Conversions

Conversions Part 2

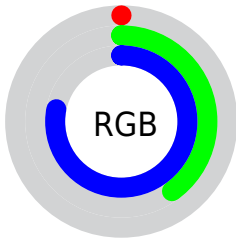
Format	Color
RYB	0, 68, 199
Decimal	26567
CIELab	43.98, 12.62, -56.73
CIElCh	44, 58.121, 282.542
Yxy	13.8240, 0.1786, 0.1629
Android (android.graphics.Color)	4278216647 (0xFF0067C7)
YUV	83.1470, 57.1155, -72.9199
Hunter-Lab	37.1806, 7.7110, -63.1178

Details

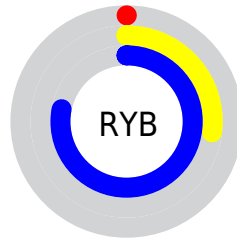
The XYZ color **15.1591, 13.8240, 55.9022** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **27.7410, 20.5171, 2.4995**, and the grayscale version is **8.1559, 8.5806, 9.3443**.

A 20% lighter version of the original color is **34.3710, 32.5439, 99.0778**, and **6.4972, 4.9399, 26.9966** is the 20% darker color. If you saturate the color by 10%, you get **15.1568, 13.8193, 55.9018**, and if you desaturate by 10%, it is **16.4572, 15.9935, 56.2529**.

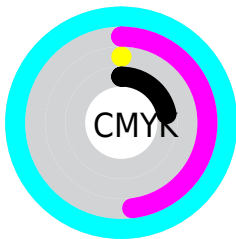
Distribution



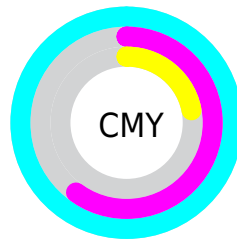
- Red (0%)
- Green (40%)
- Blue (78%)



- Red (0%)
- Yellow (27%)
- Blue (78%)



- Cyan (100%)
- Magenta (48%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (60%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1591, 13.8240, 55.9022 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 15.1591, 13.8240, 55.9022 by changing the saturation by 10% instead.

■ 15.1591, 13.8240,
55.9022

■ 15.1591, 13.8240,
55.9022

217.6965,
216.1332, 426.7008

■ 9.0182, 7.9984,
39.7210

■ 34.7014, 32.7764,
100.3459

■ 4.8102, 4.0939,
27.0090

■ 48.8335, 46.6720,
129.4456

■ 2.1700, 1.7262,
17.3475

■ 66.3600, 64.0263,
163.6885

■ 0.7268, 0.4406,
10.3180

■ 87.6463, 85.2238,
203.4932

■ 0.0000, 0.0000,
5.5019

■ 113.0578,
110.6488, 249.2783

■ 0.0000, 0.0000,
2.4808

■ 142.9597,

■ 0.0000, 0.0000,

140.6858, 301.4622

0.8300

177.7175,
175.7191, 360.4635

■ 0.0000, 0.0000,
0.0000

■ 15.1591, 13.8240,
55.9022

■ 15.1591, 13.8240,
55.9022

■ 15.1568, 13.8193,
55.9018

■ 16.4572, 15.9935,
56.2529

■ 18.1628, 18.5411,
56.6547

■ 20.3824, 21.5267,
57.1140

■ 23.1730, 24.9846,
57.6344

■ 26.5833, 28.9444,
58.2190

■ 30.6561, 33.4326,
58.8706

■ 35.4302, 38.4736,
59.5920

■ 40.9413, 44.0897,
60.3855

■ 47.2224, 50.3021,
61.2536

Harmonies

Analogous

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



10.6560, 13.8240, 54.5618



15.1591, 13.8240, 55.9022



20.0878, 13.8240, 42.5628

Triad

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



15.1591, 13.8240, 55.9022



20.8096, 13.8240, 3.5872



6.3692, 13.8240, 8.6497

Complementary

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



15.1591, 13.8240, 55.9022



27.7410, 20.5171, 2.4995

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.



8.0123, 13.8240, 3.0274



15.1591, 13.8240, 55.9022



15.9812, 13.8240, 1.5023

Square

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



15.1591, 13.8240, 55.9022



23.8266, 13.8240, 10.1861



11.3074, 13.8240, 1.3843



6.2485, 13.8240, 21.2631

Rectangle

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



15.1591, 13.8240, 55.9022



22.6756, 13.8240, 30.0490



11.3074, 13.8240, 1.3843



6.7403, 13.8240, 6.1204

Sweetspot

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



15.1597, 13.8244, 55.9026



61.6188, 66.9318, 104.2792



22.3952, 41.6359, 17.1873



12.3959, 13.4963, 22.2017



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.



15.1597, 13.8244, 55.9026



26.2951, 23.7101, 97.7984



10.3820, 4.2689, 54.3100



10.5030, 11.1801, 13.5219



9.8342, 9.0624, 35.9753



0.5379, 0.5737, 1.7275

Inverse Universe

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



26.0021, 13.1225, 13.9944



45.4017, 22.9247, 23.8453



42.4844, 50.0038, 7.4139



10.8592, 10.7271, 12.2417



16.7632, 8.4548, 9.2288



0.8302, 0.4149, 0.6291

Previews

White Background



This preview shows how the XYZ color 15.1591, 13.8240, 55.9022 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 15.1591, 13.8240, 55.9022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

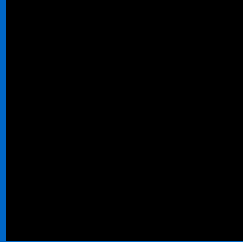
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.1591, 13.8240, 55.9022

Background



This preview shows how black text looks on a background with the XYZ color 15.1591, 13.8240, 55.9022.



This preview shows how white text looks on a background with the XYZ color 15.1591, 13.8240,

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

15.1591, 13.8240, 55.9022

Protanopia

15.8862, 13.8037, 54.0516

Deuteranopia

13.9110, 13.8109, 47.8315



Tritanopia

9.7059, 13.6915, 20.8701

Trichromacy



Original Color

15.1591, 13.8240, 55.9022

Protanomaly

15.3274, 13.6457, 54.6494

Deuteranomaly

14.3458, 13.8209, 50.6268

Tritanomaly

11.2704, 13.6032, 31.3098

Monochromacy



Original Color

15.1591, 13.8240, 55.9022

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

8.8260, 9.5499, 20.7802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1591, 13.8240, 55.9022 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, 103, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 103, 199)  
}
```

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, 103, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 103, 199) }
```

Border

The CSS property to change the border of an element to XYZ 15.1591, 13.8240, 55.9022 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, 103, 199) }
```


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

```
.border{ border-color:rgb(0, 103, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 103, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 103, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 103, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 103,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1591, 13.8240, 55.9022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 103, 199) }
```

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

```
.background{ background-color: rgb(0, 103,  
199) }
```

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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