

Converting Colors

XYZ(13.9283, 12.6615, 57.7998)

Have a look what the booklet for
XYZ(13.9283, 12.6615, 57.7998)
contains.

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Color

**XYZ(15.2178, 13.3786,
57.6574)**

Conversions

Conversions Part 1

Format	Color
Hex	0064CA
RGB	0, 100, 202
RGB Percent	0%, 39%, 79%
CMY	0.9998, 0.6078, 0.2078
CMYK	1.00, 0.50, 0.00, 0.21
HSL	210°, 100%, 40%
HSV	210°, 100%, 79%
XYZ	15.2178, 13.3786, 57.6574
YIQ	81.7280, -92.3420, 10.5220

Conversions

Conversions Part 2

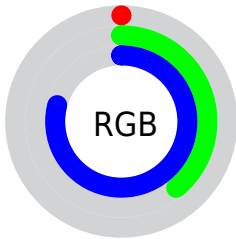
Format	Color
RYB	0, 67, 202
Decimal	25802
CIELab	43.33, 15.78, -59.52
CIELCh	43, 61.572, 284.848
Yxy	13.3786, 0.1764, 0.1551
Android (android.graphics.Color)	4278215882 (0xFF0064CA)
YUV	81.7280, 59.2941, -71.6755
Hunter-Lab	36.5768, 10.2558, -67.8574

Details

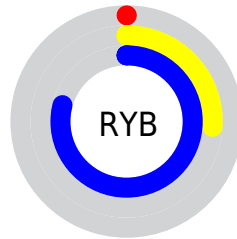
The XYZ color **15.2178, 13.3786, 57.6574** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **29.1129, 22.0676, 2.7262**, and the grayscale version is **7.8670, 8.2767, 9.0133**.

A 20% lighter version of the original color is **33.9933, 31.6294, 98.9212**, and **6.6326, 4.8390, 28.1882** is the 20% darker color. If you saturate the color by 10%, you get **15.2160, 13.3747, 57.6571**, and if you desaturate by 10%, it is **16.5519, 15.6111, 58.0183**.

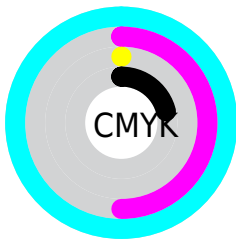
Distribution



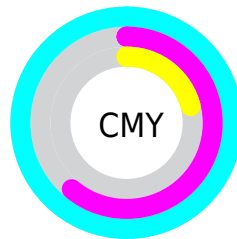
- Red (0%)
- Green (39%)
- Blue (79%)



- Red (0%)
- Yellow (26%)
- Blue (79%)



- Cyan (100%)
- Magenta (50%)
- Yellow (0%)
- Black (21%)



- Cyan (100%)
- Magenta (61%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2178, 13.3786, 57.6574 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 15.2178, 13.3786, 57.6574 by changing the saturation by 10% instead.

■ 15.2178, 13.3786,
57.6574

■ 15.2178, 13.3786,
57.6574

218.0431,
213.3300, 433.4707

■ 9.0597, 7.6898,
41.1204

■ 34.8033, 31.9823,
102.9336

■ 4.8376, 3.8971,
28.0928

■ 48.9615, 45.6660,
132.5099

■ 2.1860, 1.6162,
18.1560

■ 66.5170, 62.7833,
167.2698

■ 0.7354, 0.3685,
10.8914

■ 87.8353, 83.7188,
207.6317

■ 0.0000, 0.0000,
5.8806

■ 113.2817,
108.8569, 254.0142

■ 0.0000, 0.0000,
2.7050

143.2216,

■ 0.0000, 0.0000,

138.5818, 306.8358

0.9459

178.0202,
173.2781, 366.5151

■ 0.0000, 0.0000,
0.0000

■ 15.2178, 13.3786,
57.6574

■ 15.2178, 13.3786,
57.6574

■ 15.2160, 13.3747,
57.6571

■ 16.5519, 15.6111,
58.0183

■ 18.3183, 18.2547,
58.4355

■ 20.6267, 21.3721,
58.9156

■ 23.5372, 25.0000,
59.4624

■ 27.1005, 29.1700,
60.0795

■ 31.3618, 33.9109,
60.7700

■ 36.3618, 39.2486,
61.5367

■ 42.1379, 45.2074,
62.3825

■ 48.7246, 51.8100,
63.3097

Harmonies

Analogous

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



10.4630, 13.3786, 57.5668



15.2178, 13.3786, 57.6574



20.3556, 13.3786, 42.3083

Triad

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



15.2178, 13.3786, 57.6574



20.4029, 13.3786, 2.7766



5.7511, 13.3786, 8.7163

Complementary

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



15.2178, 13.3786, 57.6574



29.1129, 22.0676, 2.7262

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.



7.2761, 13.3786, 2.7439



15.2178, 13.3786, 57.6574



15.2711, 13.3786, 1.0715

Square

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



15.2178, 13.3786, 57.6574



23.8209, 13.3786, 8.8126



10.5045, 13.3786, 1.0652



5.7436, 13.3786, 22.4008

Rectangle

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



15.2178, 13.3786, 57.6574



22.9737, 13.3786, 28.8518



10.5045, 13.3786, 1.0652



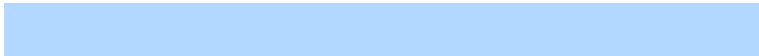
6.0822, 13.3786, 6.0030

Sweetspot

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



15.2184, 13.3789, 57.6578



61.1741, 66.0424, 104.1310



23.4712, 43.1816, 19.4151



12.2908, 13.2861, 22.1666



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.



15.2184, 13.3789, 57.6578



25.5379, 22.1959, 97.5460



10.6617, 4.2654, 56.1389



11.0527, 11.7457, 14.2550



9.8801, 8.7843, 37.1311



0.5856, 0.6050, 1.9409

Inverse Universe

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



26.6580, 13.4776, 13.2531



45.0196, 22.7718, 21.8329



45.4782, 54.7981, 8.1813



11.4399, 11.3047, 12.8513



17.1979, 8.6898, 8.7610



0.9255, 0.4636, 0.6537

Previews

White Background



This preview shows how the XYZ color 15.2178, 13.3786, 57.6574 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 15.2178, 13.3786, 57.6574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

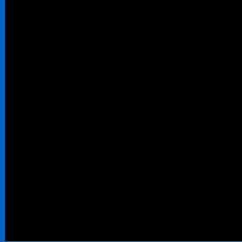
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.2178, 13.3786, 57.6574

Background



This preview shows how black text looks on a background with the XYZ color 15.2178, 13.3786, 57.6574.



This preview shows how white text looks on a background with the XYZ color 15.2178, 13.3786,

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

15.2178, 13.3786, 57.6574

Protanopia

15.7239, 13.5251, 56.4255

Deuteranopia

13.2908, 13.2368, 45.5705



Tritanopia

9.3563, 13.1907, 20.1421

Trichromacy



Original Color

15.2178, 13.3786, 57.6574

Protanomaly

15.4054, 13.3474, 57.0227

Deuteranomaly

14.0356, 13.3746, 49.9859

Tritanomaly

10.8676, 12.9271, 30.7766

Monochromacy



Original Color

15.2178, 13.3786, 57.6574

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

8.7544, 9.3812, 21.0880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2178, 13.3786, 57.6574 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, 100, 202)` looks like.

```
.text, #text, p{  
    color:rgb(0, 100, 202)  
}
```

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, 100, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 100, 202) }
```

Border

The CSS property to change the border of an element to XYZ 15.2178, 13.3786, 57.6574 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, 100, 202) }
```


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

```
.border{ border-color:rgb(0, 100, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 100, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 100, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 100, 202);  
box-shadow:4px 4px 4px 4px rgb(0, 100,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2178, 13.3786, 57.6574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 100, 202) }
```

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

```
.background{ background-color: rgb(0, 100,  
202) }
```

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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