

Converting Colors

XYZ(15.5719, 13.7053, 58.9514)

Have a look what the booklet for
XYZ(15.5719, 13.7053, 58.9514)
contains.

XYZ(15.5528, 13.6670, 58.9450)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.5528, 13.6670,
58.9450)**

Conversions

Conversions Part 1

Format	Color
Hex	0065CC
RGB	0, 101, 204
RGB Percent	0%, 40%, 80%
CMY	0.9998, 0.6039, 0.2000
CMYK	1.00, 0.50, 0.00, 0.20
HSL	210°, 100%, 40%
HSV	210°, 100%, 80%
XYZ	15.5528, 13.6670, 58.9450
YIQ	82.5430, -93.2590, 10.6210

Conversions

Conversions Part 2

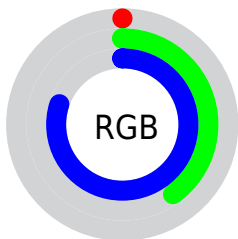
Format	Color
R_{YB}	0, 68, 204
Decimal	26060
CIE _{Lab}	43.75, 15.93, -59.98
CIE _{LCh}	44, 62.061, 284.874
Yxy	13.6670, 0.1764, 0.1550
Android (android.graphics.Color)	4278216140 (0xFF0065CC)
YUV	82.5430, 59.8783, -72.3902
Hunter-Lab	36.9689, 10.3993, -68.6566

Details

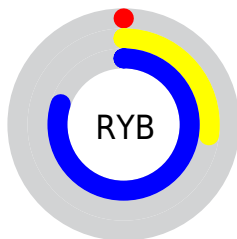
The XYZ color **15.5528, 13.6670, 58.9450** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **29.7575, 22.5481, 2.7853**, and the grayscale version is **8.0290, 8.4471, 9.1989**.

A 20% lighter version of the original color is **34.2622, 32.0059, 98.9797**, and **6.8390, 4.9983, 29.0381** is the 20% darker color. If you saturate the color by 10%, you get **15.5504, 13.6621, 58.9445**, and if you desaturate by 10%, it is **16.9144, 15.9482, 59.3139**.

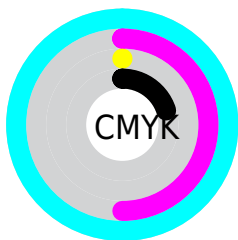
Distribution



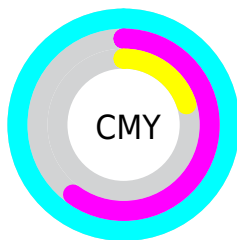
- Red (0%)
- Green (40%)
- Blue (80%)



- Red (0%)
- Yellow (27%)
- Blue (80%)



- Cyan (100%)
- Magenta (50%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (60%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5528, 13.6670, 58.9450 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 15.5528, 13.6670, 58.9450 by changing the saturation by 10% instead.

■ 15.5528, 13.6670,
58.9450

■ 15.5528, 13.6670,
58.9450

220.0109,
215.1493, 438.3943

■ 9.2971, 7.8894,
42.1491

■ 35.3838, 32.4970,
104.8261

■ 4.9941, 4.0243,
28.8916

■ 49.6899, 46.3182,
134.7483

■ 2.2785, 1.6872,
18.7540

■ 67.4101, 63.5894,
169.8831

■ 0.7837, 0.4153,
11.3176

■ 88.9098, 84.6950,
210.6490

■ 0.0000, 0.0000,
6.1641

■ 114.5544,
110.0194, 257.4646

■ 0.0000, 0.0000,
2.8747

144.7092,

■ 0.0000, 0.0000,

139.9470, 310.7482

1.0310

179.7396,
174.8621, 370.9186

■ 0.0000, 0.0000,
0.0000

■ 15.5528, 13.6670,
58.9450

■ 15.5528, 13.6670,
58.9450

■ 15.5504, 13.6621,
58.9445

■ 16.9144, 15.9482,
59.3139

■ 18.7188, 18.6503,
59.7404

■ 21.0778, 21.8372,
60.2312

■ 24.0528, 25.5465,
60.7903

■ 27.6960, 29.8107,
61.4214

■ 32.0535, 34.6591,
62.1275

■ 37.1671, 40.1184,
62.9118

■ 43.0751, 46.2134,
63.7769

■ 49.8129, 52.9673,
64.7254

Harmonies

Analogous

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



10.6905, 13.6670, 58.8685



15.5528, 13.6670, 58.9450



20.8059, 13.6670, 43.2338

Triad

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



15.5528, 13.6670, 58.9450



20.8459, 13.6670, 2.8284



5.8701, 13.6670, 8.9087

Complementary

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



15.5528, 13.6670, 58.9450



29.7575, 22.5481, 2.7853

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.



7.4271, 13.6670, 2.8009



15.5528, 13.6670, 58.9450



15.5978, 13.6670, 1.0903

Square

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



15.5528, 13.6670, 58.9450



24.3438, 13.6670, 8.9900



10.7256, 13.6670, 1.0850



5.8638, 13.6670, 22.9073

Rectangle

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



15.5528, 13.6670, 58.9450



23.4819, 13.6670, 29.4705



10.7256, 13.6670, 1.0850



6.2080, 13.6670, 6.1336

Sweetspot

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



15.5535, 13.6674, 58.9454



61.1747, 66.0435, 104.1312



23.9931, 44.1461, 19.8334



12.2909, 13.2864, 22.1667



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.



15.5535, 13.6674, 58.9454



25.5388, 22.1976, 97.5463



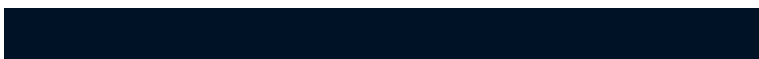
10.9003, 4.3611, 57.3943



11.0527, 11.7458, 14.2550



9.8805, 8.7849, 37.1312



0.5856, 0.6050, 1.9409

Inverse Universe

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



27.2515, 13.7781, 13.5351



45.0200, 22.7720, 21.8352



46.4953, 56.0235, 8.3645



11.4400, 11.3047, 12.8514



17.1981, 8.6898, 8.7619



0.9255, 0.4636, 0.6538

Previews

White Background



This preview shows how the XYZ color 15.5528, 13.6670, 58.9450 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 15.5528, 13.6670, 58.9450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

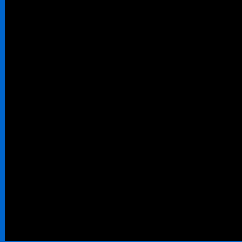
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.5528, 13.6670, 58.9450

Background



This preview shows how black text looks on a background with the XYZ color 15.5528, 13.6670, 58.9450.



This preview shows how white text looks on a background with the XYZ color 15.5528, 13.6670,

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

15.5528, 13.6670, 58.9450

Protanopia

16.0545, 13.8099, 57.6965

Deuteranopia

13.5988, 13.5220, 46.6930



Tritanopia

9.6436, 13.6666, 20.5420

Trichromacy



Original Color

15.5528, 13.6670, 58.9450

Protanomaly

15.7376, 13.6328, 58.3018

Deuteranomaly

14.3543, 13.6622, 51.1707

Tritanomaly

11.2434, 13.4189, 31.7033

Monochromacy



Original Color

15.5528, 13.6670, 58.9450

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

8.9551, 9.6015, 21.4600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5528, 13.6670, 58.9450 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, 101, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 101, 204)  
}
```

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, 101, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 101, 204) }
```

Border

The CSS property to change the border of an element to XYZ 15.5528, 13.6670, 58.9450 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, 101, 204) }
```


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

```
.border{ border-color:rgb(0, 101, 204) }
```

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

Here you see how a box with a 4 pixel rgb(0, 101, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 101, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 101, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 101,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5528, 13.6670, 58.9450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 101, 204) }
```

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

```
.background{ background-color: rgb(0, 101,  
204) }
```

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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