

Converting Colors

XYZ(13.5075, 15.2716, 59.4891)

Have a look what the booklet for
XYZ(13.5075, 15.2716, 59.4891)
contains.

XYZ(17.3775, 17.3165, 59.5533)	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(17.3775, 17.3165,
59.5533)**

Conversions

Conversions Part 1

Format	Color
Hex	0076CC
RGB	0, 118, 204
RGB Percent	0%, 46%, 80%
CMY	0.9998, 0.5373, 0.2000
CMYK	1.00, 0.42, 0.00, 0.20
HSL	205°, 100%, 40%
HSV	205°, 100%, 80%
XYZ	17.3775, 17.3165, 59.5533
YIQ	92.5220, -97.9340, 1.7300

Conversions

Conversions Part 2

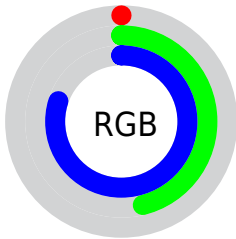
Format	Color
RYB	0, 75, 204
Decimal	30412
CIELab	48.66, 5.09, -52.08
CIELCh	49, 52.332, 275.583
Yxy	17.3165, 0.1844, 0.1837
Android (android.graphics.Color)	4278220492 (0xFF0076CC)
YUV	92.5220, 54.9587, -81.1418
Hunter-Lab	41.6131, 1.7181, -55.7219

Details

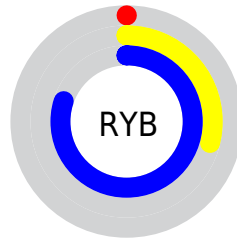
The XYZ color **17.3775, 17.3165, 59.5533** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **28.2335, 19.5001, 2.2771**, and the grayscale version is **10.1895, 10.7202, 11.6743**.

A 20% lighter version of the original color is **37.4617, 38.5661, 100.0773**, and **7.6781, 6.6764, 29.3178** is the 20% darker color. If you saturate the color by 10%, you get **17.3755, 17.3124, 59.5530**, and if you desaturate by 10%, it is **18.7349, 19.5894, 59.9209**.

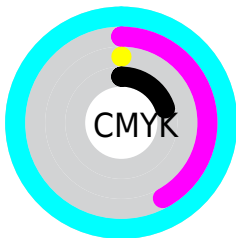
Distribution



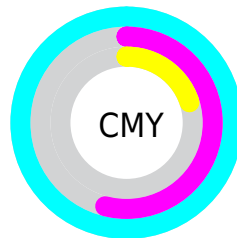
- Red (0%)
- Green (46%)
- Blue (80%)



- Red (0%)
- Yellow (29%)
- Blue (80%)



- Cyan (100%)
- Magenta (42%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (54%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3775, 17.3165, 59.5533 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 17.3775, 17.3165, 59.5533 by changing the saturation by 10% instead.

■ 17.3775, 17.3165,
59.5533

■ 17.3775, 17.3165,
59.5533

230.4526,
236.9897, 440.7081

■ 10.6010, 10.4604,
42.6357

■ 38.5122, 38.8692,
105.7184

■ 5.8645, 5.7053,
29.2701

■ 53.6010, 54.3345,
135.8031

■ 2.8027, 2.6667,
19.0379

■ 72.1913, 73.4384,
171.1138

■ 1.0503, 0.9603,
11.5206

■ 94.6485, 96.5652,
212.0692

■ 0.0000, 0.0000,
6.2996

■ 121.3378,
124.0994, 259.0878

■ 0.0000, 0.0000,
2.9564

152.6247,

■ 0.0000, 0.0000,

156.4252, 312.5881

1.0724

188.8745,
193.9272, 372.9887

■ 0.0000, 0.0000,
0.0000

■ 17.3775, 17.3165,
59.5533

■ 17.3775, 17.3165,
59.5533

■ 17.3755, 17.3124,
59.5530

■ 18.7349, 19.5894,
59.9209

■ 20.4999, 22.2129,
60.3342

■ 22.7826, 25.2474,
60.7996

■ 25.6426, 28.7268,
61.3205

■ 29.1303, 32.6802,
61.8998

■ 33.2903, 37.1339,
62.5401

■ 38.1628, 42.1113,
63.2441

■ 43.7847, 47.6344,
64.0138

■ 50.1900, 53.7236,
64.8516

Harmonies

Analogous

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



12.9159, 17.3165, 54.8420



17.3775, 17.3165, 59.5533



22.4650, 17.3165, 49.7443

Triad

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



17.3775, 17.3165, 59.5533



25.2095, 17.3165, 7.2398



9.3775, 17.3165, 9.8705

Complementary

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



17.3775, 17.3165, 59.5533



28.2335, 19.5001, 2.2771

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.



11.6317, 17.3165, 4.4549



17.3775, 17.3165, 59.5533



20.5967, 17.3165, 3.5386

Square

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



17.3775, 17.3165, 59.5533



27.5187, 17.3165, 16.3874



15.5731, 17.3165, 2.8514



8.8481, 17.3165, 21.5581

Rectangle

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



17.3775, 17.3165, 59.5533



25.3537, 17.3165, 38.1976



15.5731, 17.3165, 2.8514



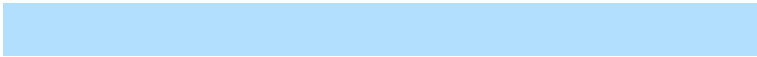
9.9337, 17.3165, 7.4764

Sweetspot

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



17.3782, 17.3170, 59.5538



62.8442, 69.3825, 104.6877



23.2343, 43.8426, 15.8376



12.6864, 14.0773, 22.2985



0.0000, 0.0000, 0.0000



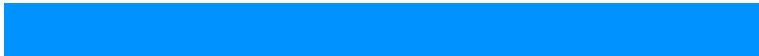
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.3782, 17.3170, 59.5538



28.5581, 28.2362, 98.5527



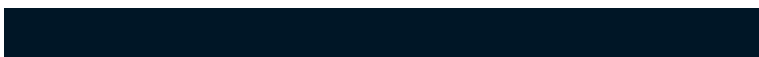
11.1008, 4.7621, 57.4613



11.1315, 11.9035, 14.2813



11.0302, 11.0843, 37.5144



0.6431, 0.7200, 1.9600

Inverse Universe

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



28.1726, 14.1464, 18.3855



46.5440, 23.3816, 29.8606



42.6735, 48.3800, 7.0904



11.4798, 11.3206, 13.0610



17.7784, 8.9220, 11.8177



0.9546, 0.4752, 0.8066

Previews

White Background



This preview shows how the XYZ color 17.3775, 17.3165, 59.5533 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 17.3775, 17.3165, 59.5533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

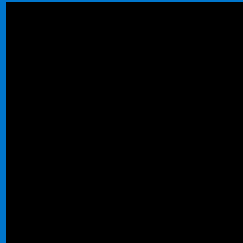
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.3775, 17.3165, 59.5533

Background



This preview shows how black text looks on a background with the XYZ color 17.3775, 17.3165, 59.5533.



This preview shows how white text looks on a background with the XYZ color 17.3775, 17.3165,

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

17.3775, 17.3165, 59.5533

Protanopia

19.0478, 17.2433, 55.7505

Deuteranopia

17.8876, 17.4055, 59.5436



Tritanopia

12.2345, 17.2445, 26.3506

Trichromacy



Original Color

17.3775, 17.3165, 59.5533

Protanomaly

17.7093, 16.8577, 56.9641

Deuteranomaly

17.5696, 17.2416, 59.5287

Tritanomaly

13.6407, 16.9885, 36.2784

Monochromacy



Original Color

17.3775, 17.3165, 59.5533

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.7886, 12.1260, 23.9622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3775, 17.3165, 59.5533 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, 118, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 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, 118, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 204) }
```

Border

The CSS property to change the border of an element to XYZ 17.3775, 17.3165, 59.5533 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, 118, 204) }
```


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

```
.border{ border-color:rgb(0, 118, 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, 118, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 118,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3775, 17.3165, 59.5533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 118, 204) }
```

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

```
.background{ background-color: rgb(0, 118,  
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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