

Converting Colors

XYZ(17.3665, 16.8358, 57.5927)

Have a look what the booklet for
XYZ(17.3665, 16.8358, 57.5927)
contains.

XYZ(17.3665, 16.8358, 57.5927)	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(17.3665, 16.8358,
57.5927)**

Conversions

Conversions Part 1

Format	Color
Hex	2373C9
RGB	35, 115, 201
RGB Percent	14%, 45%, 79%
CMY	0.8627, 0.5490, 0.2118
CMYK	0.83, 0.43, 0.00, 0.21
HSL	211°, 70%, 46%
HSV	211°, 83%, 79%
XYZ	17.3665, 16.8358, 57.5927
YIQ	100.8840, -75.2860, 9.7860

Conversions

Conversions Part 2

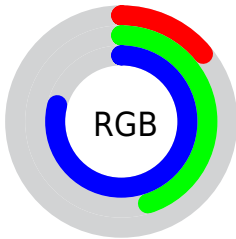
Format	Color
R_{YB}	35, 89, 201
Decimal	2323401
CIE _{Lab}	48.05, 7.63, -51.31
CIE _{LCh}	48, 51.875, 278.463
Yxy	16.8358, 0.1892, 0.1834
Android (android.graphics.Color)	4280513481 (0xFF2373C9)
YUV	100.8840, 49.3572, -57.7803
Hunter-Lab	41.0315, 3.7448, -54.4988

Details

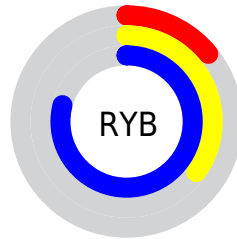
The XYZ color **17.3665, 16.8358, 57.5927** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **31.2307, 26.2181, 5.0060**, and the grayscale version is **12.2320, 12.8690, 14.0144**.

A 20% lighter version of the original color is **37.8706, 37.6806, 99.8848**, and **7.2554, 6.2096, 28.0103** is the 20% darker color. If you saturate the color by 10%, you get **15.7479, 14.3370, 57.1961**, and if you desaturate by 10%, it is **19.5109, 19.8051, 58.0532**.

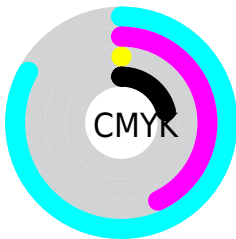
Distribution



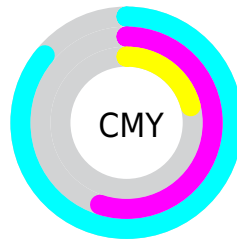
- Red (14%)
- Green (45%)
- Blue (79%)



- Red (14%)
- Yellow (35%)
- Blue (79%)



- Cyan (83%)
- Magenta (43%)
- Yellow (0%)
- Black (21%)



- Cyan (86%)
- Magenta (55%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3665, 16.8358, 57.5927 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 17.3665, 16.8358, 57.5927 by changing the saturation by 10% instead.

■ 17.3665, 16.8358,
57.5927

■ 17.3665, 16.8358,
57.5927

230.3909,
234.2244, 433.2223

■ 10.5931, 10.1175,
41.0688

■ 38.4935, 38.0432,
102.8384

■ 5.8592, 5.4769,
28.0527

■ 53.5777, 53.3012,
132.3973

■ 2.7995, 2.5297,
18.1260

■ 72.1629, 72.1744,
167.1382

■ 1.0486, 0.8915,
10.8701

■ 94.6144, 95.0474,
207.4796

■ 0.0000, 0.0000,
5.8665

■ 121.2976,
122.3045, 253.8403

■ 0.0000, 0.0000,
2.6966

152.5779,

■ 0.0000, 0.0000,

154.3301, 306.6386

0.9417

188.8205,
191.5086, 366.2931

■ 0.0000, 0.0000,
0.0000

■ 17.3665, 16.8358,
57.5927

■ 17.3665, 16.8358,
57.5927

■ 15.7479, 14.3370,
57.1961

■ 19.5109, 19.8051,
58.0532

■ 14.8042, 12.7401,
56.9376

■ 22.2415, 23.2820,
58.5804

■ 25.6116, 27.3000,
59.1783

■ 29.6672, 31.8887,
59.8503

■ 34.4499, 37.0750,
60.5993

■ 39.9976, 42.8838,
61.4281

■ 46.3455, 49.3385,
62.3394

■ 53.5266, 56.4609,
63.3357

■ 61.5716, 64.2719,
64.4193

Harmonies

Analogous

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



12.9139, 16.8358, 54.3886



17.3665, 16.8358, 57.5927



22.2937, 16.8358, 46.9101

Triad

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



17.3665, 16.8358, 57.5927



24.1547, 16.8358, 6.5007



8.9927, 16.8358, 10.3895

Complementary

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



17.3665, 16.8358, 57.5927



31.2307, 26.2181, 5.0060

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.



11.0215, 16.8358, 4.6318



17.3665, 16.8358, 57.5927



19.5468, 16.8358, 3.2724

Square

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



17.3665, 16.8358, 57.5927



26.6845, 16.8358, 14.7862



14.7108, 16.8358, 2.8131



8.6355, 16.8358, 22.4022

Rectangle

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



17.3665, 16.8358, 57.5927



24.9866, 16.8358, 35.4344



14.7108, 16.8358, 2.8131



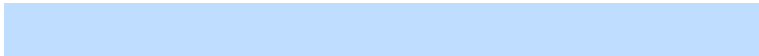
9.4796, 16.8358, 7.8676

Sweetspot

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



17.3672, 16.8363, 57.5931



65.7120, 70.5552, 104.7629



25.0180, 43.5062, 25.0960



13.3364, 14.3397, 22.3149



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.



17.3672, 16.8363, 57.5931



25.3146, 21.7018, 97.4624



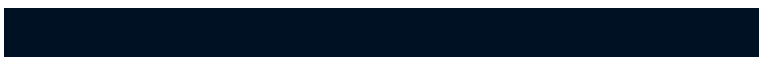
11.9356, 5.8281, 55.7546



10.4714, 11.1168, 13.5113



9.3990, 8.1920, 35.8302



0.5175, 0.5328, 1.7207

Inverse Universe

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



27.7837, 14.8585, 17.6234



44.9184, 22.7756, 21.1636



44.5410, 53.9327, 9.6540



10.8432, 10.7207, 12.1575



16.5435, 8.3670, 8.0720



0.8199, 0.4108, 0.5748

Previews

White Background



This preview shows how the XYZ color 17.3665, 16.8358, 57.5927 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 17.3665, 16.8358, 57.5927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

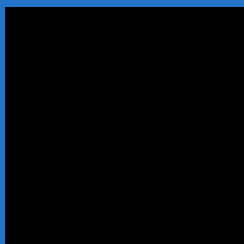
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

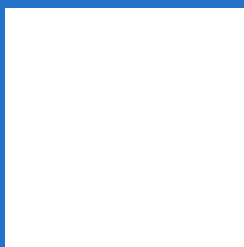
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.3665, 16.8358, 57.5927

Background



This preview shows how black text looks on a background with the XYZ color 17.3665, 16.8358, 57.5927.



This preview shows how white text looks on a background with the XYZ color 17.3665, 16.8358,

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

17.3665, 16.8358, 57.5927

Protanopia

18.6641, 16.8960, 55.1009

Deuteranopia

17.3330, 16.8186, 57.5911



Tritanopia

11.8340, 16.6710, 25.5158

Trichromacy



Original Color

17.3665, 16.8358, 57.5927

Protanomaly

17.8507, 16.6262, 55.6944

Deuteranomaly

17.3330, 16.8186, 57.5911

Tritanomaly

13.3835, 16.5078, 35.2818

Monochromacy



Original Color

17.3665, 16.8358, 57.5927

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.7300, 13.6920, 25.6388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3665, 16.8358, 57.5927 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(35, 115, 201)` looks like.

```
.text, #text, p{  
    color:rgb(35, 115, 201)  
}
```

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(35, 115, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 115, 201) }
```

Border

The CSS property to change the border of an element to XYZ 17.3665, 16.8358, 57.5927 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(35, 115, 201) }
```


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

```
.border{ border-color:rgb(35, 115, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 115, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 115, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 115, 201);  
box-shadow:4px 4px 4px 4px rgb(35, 115,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3665, 16.8358, 57.5927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 115, 201) }
```

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

```
.background{ background-color: rgb(35, 115,  
201) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor