

Converting Colors

XYZ(14.8016, 6.3715, 57.5764)

Have a look what the booklet for
XYZ(14.8016, 6.3715, 57.5764)
contains.

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Color

**XYZ(14.8296, 6.3859,
57.5777)**

Conversions

Conversions Part 1

Format	Color
Hex	5700CC
RGB	87, 0, 204
RGB Percent	34%, 0%, 80%
CMY	0.6588, 1.0000, 0.2000
CMYK	0.57, 1.00, 0.00, 0.20
HSL	266°, 100%, 40%
HSV	266°, 100%, 80%
XYZ	14.8296, 6.3859, 57.5777
YIQ	49.2690, -13.6320, 81.8880

Conversions

Conversions Part 2

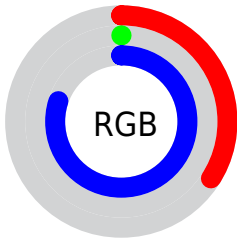
Format	Color
RYB	87, 0, 204
Decimal	5701836
CIELab	30.37, 69.32, -81.79
CIElCh	30, 107.215, 310.283
Yxy	6.3859, 0.1882, 0.0810
Android (android.graphics.Color)	4283891916 (0xFF5700CC)
YUV	49.2690, 76.2824, 33.0901
Hunter-Lab	25.2703, 60.5275, -117.4012

Details

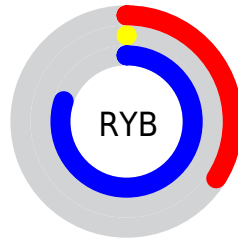
The XYZ color **14.8296, 6.3859, 57.5777** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **28.9282, 46.9674, 7.5409**, and the grayscale version is **2.8686, 3.0180, 3.2866**.

A 20% lighter version of the original color is **32.8809, 18.2105, 96.3897**, and **5.3453, 2.1381, 28.1479** is the 20% darker color. If you saturate the color by 10%, you get **14.8302, 6.3862, 57.5779**, and if you desaturate by 10%, it is **16.2699, 7.5103, 57.7190**.

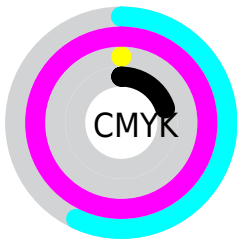
Distribution



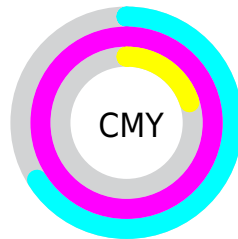
- Red (34%)
- Green (0%)
- Blue (80%)



- Red (34%)
- Yellow (0%)
- Blue (80%)



- Cyan (57%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)



- Cyan (66%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8296, 6.3859, 57.5777 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 14.8296, 6.3859, 57.5777 by changing the saturation by 10% instead.

■ 14.8296, 6.3859,
57.5777

■ 14.8296, 6.3859,
57.5777

215.7414,
162.4589, 433.1647

■ 8.7854, 3.0811,
41.0568

■ 34.1281, 18.7267,
102.8163

■ 4.6575, 1.1742,
28.0434

■ 48.1131, 28.5315,
132.3711

■ 2.0804, 0.0405,
18.1191

■ 65.4758, 41.2718,
167.1076

■ 0.6785, 0.0000,
10.8652

■ 86.5815, 57.3319,
207.4444

■ 0.0000, 0.0000,
5.8632

■ 111.7955, 77.0963,
253.7999


■ 0.0000, 0.0000,
2.6946


■ 141.4833,

■ 0.0000, 0.0000,

100.9493, 306.5928


0.9407

 176.0101,
129.2753, 366.2416


 0.0000, 0.0000,
0.0000


 14.8296, 6.3859,
57.5777


 14.8296, 6.3859,
57.5777


 14.8302, 6.3862,
57.5779

 16.2699, 7.5103,
57.7190

 18.1661, 9.2728,
57.9593

 20.6194, 11.8637,
58.3301

 23.6866, 15.3863,
58.8483

 27.4164, 19.9280,
59.5284

■ 31.8521, 25.5657,
60.3828

■ 37.0328, 32.3688,
61.4229

■ 42.9946, 40.4008,
62.6590

■ 49.7712, 49.7206,
64.1007

Harmonies

Analogous

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



7.9857, 6.3859, 86.7842



14.8296, 6.3859, 57.5777



20.6912, 6.3859, 21.3066

Triad

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



14.8296, 6.3859, 57.5777



9.9977, 6.3859, 0.0000



0.6199, 6.3859, 13.2382

Complementary

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



14.8296, 6.3859, 57.5777



28.9282, 46.9674, 7.5409

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.



0.7313, 6.3859, 1.1412



14.8296, 6.3859, 57.5777



4.4875, 6.3859, 0.0000

Square

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



14.8296, 6.3859, 57.5777



16.9874, 6.3859, 0.0000



1.6911, 6.3859, 0.0000



1.2513, 6.3859, 45.2608

Rectangle

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



14.8296, 6.3859, 57.5777



22.0155, 6.3859, 6.8159



1.6911, 6.3859, 0.0000



0.5779, 6.3859, 7.0922

Sweetspot

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



14.8302, 6.3862, 57.5779



60.9705, 53.1278, 101.6489



17.4960, 17.5533, 59.5929



12.2373, 10.2967, 21.5924



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.



14.8302, 6.3862, 57.5779



24.3269, 10.4559, 95.3438



31.3927, 14.9245, 58.3530



11.0478, 11.0740, 14.1256



9.4360, 4.0720, 36.2449



0.5730, 0.2545, 1.8739

Inverse Universe

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



28.1124, 14.1216, 18.0718



46.4472, 23.3429, 29.3507



21.8241, 43.3050, 7.2085



11.4774, 11.3197, 13.0487



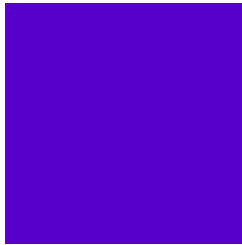
17.7417, 8.9073, 11.6244



0.9528, 0.4745, 0.7972

Previews

White Background



This preview shows how the XYZ color 14.8296, 6.3859, 57.5777 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 ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 14.8296, 6.3859, 57.5777

Background



This preview shows how black text looks on a background with the XYZ color 14.8296, 6.3859, 57.5777.



This preview shows how white text looks on a background with the XYZ color 14.8296, 6.3859,

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

14.8296, 6.3859, 57.5777

Protanopia

7.6781, 6.6764, 29.3178

Deuteranopia

6.4152, 6.7012, 21.0340



Tritanopia

5.3508, 6.7150, 9.8182

Trichromacy



Original Color

14.8296, 6.3859, 57.5777

Protanomaly

8.6955, 5.0484, 38.0523

Deuteranomaly

7.5690, 4.7875, 31.5355

Tritanomaly

6.7904, 4.7360, 21.3251

Monochromacy



Original Color

14.8296, 6.3859, 57.5777

Achromatopsia

2.9193, 3.0713, 3.3447

Achromatomaly

5.0897, 3.0567, 13.6863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8296, 6.3859, 57.5777 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(87, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(87, 0, 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(87, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 0, 204) }
```

Border

The CSS property to change the border of an element to XYZ 14.8296, 6.3859, 57.5777 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(87, 0, 204) }
```


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

```
.border{ border-color:rgb(87, 0, 204) }
```

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

Here you see how a box with a 4 pixel rgb(87, 0, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(87, 0, 204)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.8296, 6.3859, 57.5777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 0, 204) }
```

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

```
.background{ background-color: rgb(87, 0,  
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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