

Converting Colors

XYZ(15.2659, 6.5688, 59.4960)

Have a look what the booklet for
XYZ(15.2659, 6.5688, 59.4960)
contains.

XYZ(15.2870, 6.5797, 59.4958)	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(15.2870, 6.5797,
59.4958)**

Conversions

Conversions Part 1

Format	Color
Hex	5800CF
RGB	88, 0, 207
RGB Percent	35%, 0%, 81%
CMY	0.6549, 1.0000, 0.1882
CMYK	0.57, 1.00, 0.00, 0.19
HSL	266°, 100%, 41%
HSV	266°, 100%, 81%
XYZ	15.2870, 6.5797, 59.4958
YIQ	49.9100, -13.9990, 83.0330

Conversions

Conversions Part 2

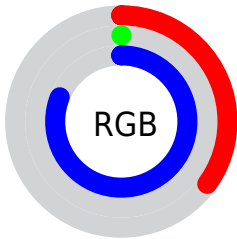
Format	Color
RYB	88, 0, 207
Decimal	5767375
CIELab	30.83, 70.06, -82.77
CIELCh	31, 108.437, 310.247
Yxy	6.5797, 0.1879, 0.0809
Android (android.graphics.Color)	4283957455 (0xFF5800CF)
YUV	49.9100, 77.4454, 33.4049
Hunter-Lab	25.6509, 61.4903, -119.5640

Details

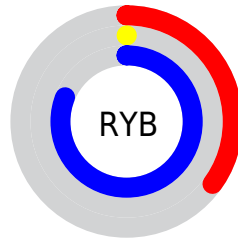
The XYZ color **15.2870, 6.5797, 59.4958** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **29.9199, 48.5474, 7.7936**, and the grayscale version is **2.9385, 3.0915, 3.3666**.

A 20% lighter version of the original color is **33.1299, 18.4340, 96.4197**, and **5.5859, 2.2344, 29.4150** is the 20% darker color. If you saturate the color by 10%, you get **15.2876, 6.5800, 59.4960**, and if you desaturate by 10%, it is **16.7703, 7.7343, 59.6407**.

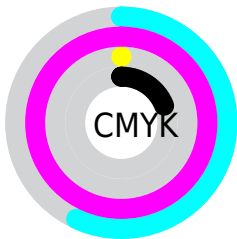
Distribution



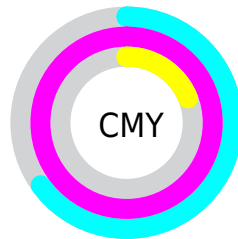
- Red (35%)
- Green (0%)
- Blue (81%)



- Red (35%)
- Yellow (0%)
- Blue (81%)



- Cyan (57%)
- Magenta (100%)
- Yellow (0%)
- Black (19%)



- Cyan (65%)
- Magenta (100%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2870, 6.5797, 59.4958 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 15.2870, 6.5797, 59.4958 by changing the saturation by 10% instead.

■ 15.2870, 6.5797,
59.4958

■ 15.2870, 6.5797,
59.4958

218.4509,
164.1242, 440.4897

■ 9.1087, 3.2007,
42.5897

■ 34.9234, 19.1225,
105.6341

■ 4.8698, 1.2374,
29.2343

■ 49.1122, 29.0552,
135.7034

■ 2.2051, 0.0919,
19.0111

■ 66.7019, 41.9411,
170.9976

■ 0.7454, 0.0000,
11.5014

■ 88.0578, 58.1647,
211.9351

■ 0.0000, 0.0000,
6.2867

■ 113.5453, 78.1104,
258.9346


■ 0.0000, 0.0000,
2.9486


■ 143.5298,


■ 0.0000, 0.0000,

102.1627, 312.4144


1.0685

 178.3765,
130.7058, 372.7933

 0.0000, 0.0000,
0.0000


 15.2870, 6.5797,
59.4958


 15.2870, 6.5797,
59.4958


 15.2876, 6.5800,
59.4960

 16.7703, 7.7343,
59.6407

 18.7267, 9.5507,
59.8882

 21.2601, 12.2243,
60.2707

 24.4296, 15.8621,
60.8058

 28.2857, 20.5550,
61.5084

■ 32.8734, 26.3827,
62.3915

■ 38.2332, 33.4172,
63.4668

■ 44.4026, 41.7244,
64.7451

■ 51.4165, 51.3651,
66.2362

Harmonies

Analogous

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



8.2235, 6.5797, 89.6436



15.2870, 6.5797, 59.4958



21.3435, 6.5797, 22.0171

Triad

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



15.2870, 6.5797, 59.4958



10.3159, 6.5797, 0.0000



0.6391, 6.5797, 13.6234

Complementary

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



15.2870, 6.5797, 59.4958



29.9199, 48.5474, 7.7936

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.



0.7527, 6.5797, 1.1668



15.2870, 6.5797, 59.4958



4.6268, 6.5797, 0.0000

Square

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



15.2870, 6.5797, 59.4958



17.5318, 6.5797, 0.0000



1.7407, 6.5797, 0.0000



1.2842, 6.5797, 46.6749

Rectangle

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



15.2870, 6.5797, 59.4958



22.7161, 6.5797, 7.0405



1.7407, 6.5797, 0.0000



0.5970, 6.5797, 7.2893

Sweetspot

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



15.2876, 6.5800, 59.4960



60.9409, 53.1125, 101.6476



18.0696, 18.1191, 61.5767



12.2303, 10.2931, 21.5921



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.



15.2876, 6.5800, 59.4960



24.2847, 10.4341, 95.3418



32.4354, 15.4200, 60.2985



11.6333, 11.6598, 14.8811



9.7351, 4.1989, 37.4899



0.6342, 0.2811, 2.1004

Inverse Universe

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



29.0617, 14.5972, 18.7368



46.4741, 23.3536, 29.4924



22.5486, 44.7473, 7.4487



12.0895, 11.9205, 13.7470



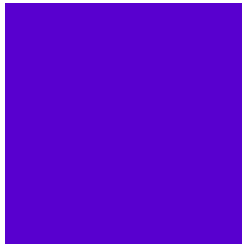
18.3583, 9.2162, 12.0589



1.0657, 0.5310, 0.8810

Previews

White Background



This preview shows how the XYZ color 15.2870, 6.5797, 59.4958 looks on a white background.

Color Contrast Check

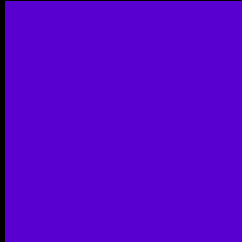
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 15.2870, 6.5797, 59.4958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

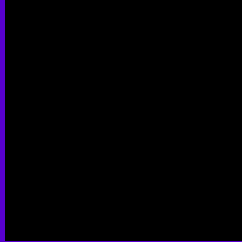
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.2870, 6.5797, 59.4958

Background



This preview shows how black text looks on a background with the XYZ color 15.2870, 6.5797, 59.4958.



This preview shows how white text looks on a background with the XYZ color 15.2870, 6.5797,

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

15.2870, 6.5797, 59.4958

Protanopia

7.9033, 6.8691, 30.1875

Deuteranopia

6.6163, 6.8927, 21.7506



Tritanopia

5.4640, 6.8766, 10.0561

Trichromacy



Original Color

15.2870, 6.5797, 59.4958

Protanomaly

8.9233, 5.2013, 39.0617

Deuteranomaly

7.7798, 4.9380, 32.4414

Tritanomaly

6.9679, 4.8762, 22.0467

Monochromacy



Original Color

15.2870, 6.5797, 59.4958

Achromatopsia

3.0317, 3.1896, 3.4735

Achromatomaly

5.2847, 3.1845, 14.2461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2870, 6.5797, 59.4958 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(88, 0, 207)` looks like.

```
.text, #text, p{  
    color:rgb(88, 0, 207)  
}
```

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(88, 0, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 0, 207) }
```

Border

The CSS property to change the border of an element to XYZ 15.2870, 6.5797, 59.4958 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(88, 0, 207) }
```


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

```
.border{ border-color:rgb(88, 0, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 0, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 0, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 0, 207);  
box-shadow:4px 4px 4px 4px rgb(88, 0, 207)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.2870, 6.5797, 59.4958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 0, 207) }
```

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

```
.background{ background-color: rgb(88, 0,  
207) }
```

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