

Converting Colors

XYZ(15.8143, 6.8579, 59.2336)

Have a look what the booklet for
XYZ(15.8143, 6.8579, 59.2336)
contains.

XYZ(15.8786, 6.8847, 59.5235)	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(15.8786, 6.8847,
59.5235)**

Conversions

Conversions Part 1

Format	Color
Hex	5E00CF
RGB	94, 0, 207
RGB Percent	37%, 0%, 81%
CMY	0.6314, 1.0000, 0.1882
CMYK	0.55, 1.00, 0.00, 0.19
HSL	267°, 100%, 41%
HSV	267°, 100%, 81%
XYZ	15.8786, 6.8847, 59.5235
YIQ	51.7040, -10.4230, 84.3050

Conversions

Conversions Part 2

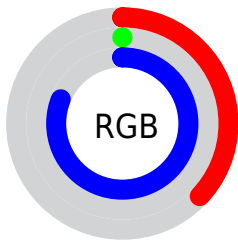
Format	Color
RYB	94, 0, 207
Decimal	6160591
CIELab	31.54, 70.45, -81.56
CIElCh	32, 107.776, 310.819
Yxy	6.8847, 0.1930, 0.0837
Android (android.graphics.Color)	4284350671 (0xFF5E00CF)
YUV	51.7040, 76.5609, 37.0936
Hunter-Lab	26.2387, 62.1032, -116.1345

Details

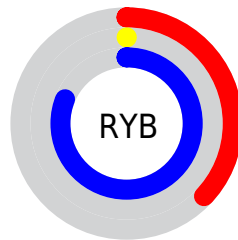
The XYZ color **15.8786, 6.8847, 59.5235** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **29.1223, 48.1362, 7.7563**, and the grayscale version is **3.1433, 3.3070, 3.6013**.

A 20% lighter version of the original color is **34.1428, 19.0530, 96.4858**, and **5.5984, 2.2408, 29.4156** is the 20% darker color. If you saturate the color by 10%, you get **15.8792, 6.8850, 59.5237**, and if you desaturate by 10%, it is **17.3868, 8.0521, 59.6696**.

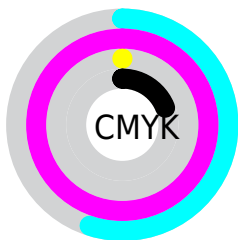
Distribution



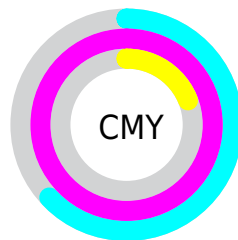
- Red (37%)
- Green (0%)
- Blue (81%)



- Red (37%)
- Yellow (0%)
- Blue (81%)



- Cyan (55%)
- Magenta (100%)
- Yellow (0%)
- Black (19%)





- Cyan (63%)
- Magenta (100%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8786, 6.8847, 59.5235 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 15.8786, 6.8847, 59.5235 by changing the saturation by 10% instead.


 15.8786, 6.8847,
59.5235

 15.8786, 6.8847,
59.5235


221.9088,
166.7022, 440.5950

 9.5286, 3.3901,
42.6119


 35.9465, 19.7409,
105.6747


 5.1474, 1.3386,
29.2516


 50.3950, 29.8712,
135.7514


 2.3696, 0.1708,
19.0240


 68.2738, 42.9823,
171.0536

 0.8299, 0.0000,
11.5106

 89.9482, 59.4585,
211.9997

 0.0000, 0.0000,
6.2929

 115.7836, 79.6842,
259.0084


 0.0000, 0.0000,
2.9524

 146.1452,

 0.0000, 0.0000,

104.0438, 312.4981


1.0704

 181.3985,
132.9216, 372.8875


 0.0000, 0.0000,
0.0000


 15.8786, 6.8847,
59.5235


 15.8786, 6.8847,
59.5235


 15.8792, 6.8850,
59.5237

 17.3868, 8.0521,
59.6696

 19.3525, 9.8733,
59.9175

 21.8783, 12.5429,
60.2996

 25.0220, 16.1675,
60.8336

 28.8331, 20.8372,
61.5340

■ 33.3555, 26.6313,
62.4141

■ 38.6288, 33.6212,
63.4853

■ 44.6897, 41.8723,
64.7585

■ 51.5720, 51.4452,
66.2435

Harmonies

Analogous

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



8.6793, 6.8847, 90.1931



15.8786, 6.8847, 59.5235



21.9409, 6.8847, 22.0120

Triad

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



15.8786, 6.8847, 59.5235



10.5557, 6.8847, 0.0000



0.7348, 6.8847, 14.5291

Complementary

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



15.8786, 6.8847, 59.5235



29.1223, 48.1362, 7.7563

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.



0.8341, 6.8847, 1.3738



15.8786, 6.8847, 59.5235



4.7907, 6.8847, 0.0000

Square

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



15.8786, 6.8847, 59.5235



17.8794, 6.8847, 0.0000



1.8491, 6.8847, 0.0000



1.4276, 6.8847, 48.1955

Rectangle

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



15.8786, 6.8847, 59.5235



23.2476, 6.8847, 7.0814



1.8491, 6.8847, 0.0000



0.6883, 6.8847, 7.9270

Sweetspot

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



15.8792, 6.8850, 59.5237



61.5806, 53.4423, 101.6775



17.2630, 16.5059, 61.3078



12.3807, 10.3706, 21.5991



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.



15.8792, 6.8850, 59.5237



25.2264, 10.9196, 95.3858



34.1970, 16.3282, 60.3810



11.6663, 11.6768, 14.8826



10.1107, 4.3925, 37.5074



0.6562, 0.2925, 2.1014

Inverse Universe

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



28.7126, 14.4576, 16.8985



45.9146, 23.1298, 26.5459



22.4425, 44.6926, 7.4437



12.0748, 11.9147, 13.6698



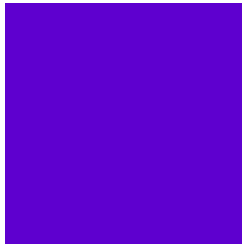
18.1385, 9.1282, 10.9013



1.0539, 0.5263, 0.8189

Previews

White Background



This preview shows how the XYZ color 15.8786, 6.8847, 59.5235 looks on a white background.

Color Contrast Check

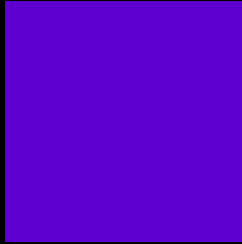
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8786, 6.8847, 59.5235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

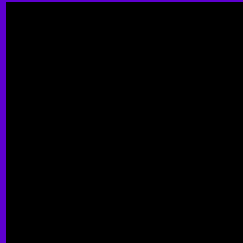
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.8786, 6.8847, 59.5235

Background



This preview shows how black text looks on a background with the XYZ color 15.8786, 6.8847, 59.5235.



This preview shows how white text looks on a background with the XYZ color 15.8786, 6.8847,

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

15.8786, 6.8847, 59.5235

Protanopia

8.3652, 7.2641, 31.9716

Deuteranopia

6.9608, 7.2579, 22.8638



Tritanopia

6.1309, 7.3299, 10.1085

Trichromacy



Original Color

15.8786, 6.8847, 59.5235

Protanomaly

9.3162, 5.4291, 40.6013

Deuteranomaly

8.0583, 5.1245, 33.3653

Tritanomaly

7.7086, 5.3236, 22.0940

Monochromacy



Original Color

15.8786, 6.8847, 59.5235

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.5654, 3.3637, 14.5433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8786, 6.8847, 59.5235 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(94, 0, 207)` looks like.

```
.text, #text, p{  
    color:rgb(94, 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(94, 0, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 0, 207) }
```

Border

The CSS property to change the border of an element to XYZ 15.8786, 6.8847, 59.5235 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(94, 0, 207) }
```


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

```
.border{ border-color:rgb(94, 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(94, 0, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 0, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 0, 207);  
box-shadow:4px 4px 4px 4px rgb(94, 0, 207)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.8786, 6.8847, 59.5235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 0, 207) }
```

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

```
.background{ background-color: rgb(94, 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