

Converting Colors

XYZ(18.2835, 8.1398, 58.9430)

Have a look what the booklet for
XYZ(18.2835, 8.1398, 58.9430)
contains.

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Color

**XYZ(18.3430, 8.1692,
59.0026)**

Conversions

Conversions Part 1

Format	Color
Hex	7400CE
RGB	116, 0, 206
RGB Percent	45%, 0%, 81%
CMY	0.5451, 1.0000, 0.1922
CMYK	0.44, 1.00, 0.00, 0.19
HSL	274°, 100%, 40%
HSV	274°, 100%, 81%
XYZ	18.3430, 8.1692, 59.0026
YIQ	58.1680, 3.0100, 88.6580

Conversions

Conversions Part 2

Format	Color
RYB	116, 0, 206
Decimal	7602382
CIELab	34.33, 71.99, -76.27
CIELCh	34, 104.884, 313.346
Yxy	8.1692, 0.2145, 0.0955
Android (android.graphics.Color)	4285792462 (0xFF7400CE)
YUV	58.1680, 72.8812, 50.7187
Hunter-Lab	28.5818, 64.5381, -102.3875

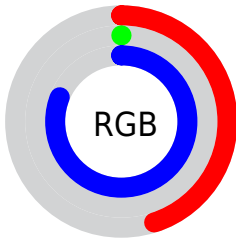
Details

The XYZ color **18.3430, 8.1692, 59.0026** is a dark color, and the websafe version is hex **6600CC**.

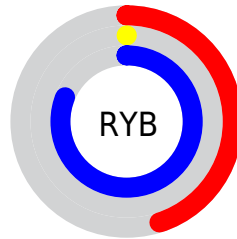
The color can be described as dark washed purple. A complement of this color would be **26.2875, 46.3163, 7.5544**, and the grayscale version is **3.9499, 4.1556, 4.5254**.

A 20% lighter version of the original color is **38.5389, 21.6190, 96.7494**, and **6.8703, 2.9058, 29.0529** is the 20% darker color. If you saturate the color by 10%, you get **18.3436, 8.1695, 59.0028**, and if you desaturate by 10%, it is **19.8594, 9.3382, 59.1485**.

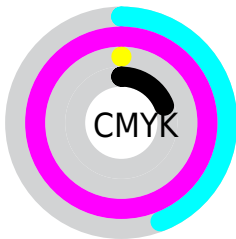
Distribution



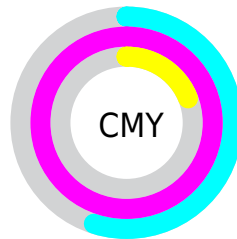
- Red (45%)
- Green (0%)
- Blue (81%)



- Red (45%)
- Yellow (0%)
- Blue (81%)



- Cyan (44%)
- Magenta (100%)
- Yellow (0%)
- Black (19%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3430, 8.1692, 59.0026 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 18.3430, 8.1692, 59.0026 by changing the saturation by 10% instead.

■ 18.3430, 8.1692,
59.0026

■ 18.3430, 8.1692,
59.0026

235.8057,
177.0532, 438.6137

■ 11.2977, 4.2034,
42.1952

■ 40.1464, 22.2895,
104.9106

■ 6.3362, 1.7880,
28.9274

■ 55.6353, 33.2128,
134.8483

■ 3.0932, 0.4797,
18.7808

■ 74.6694, 47.2240,
169.9998

■ 1.2032, 0.0000,
11.3368

■ 97.6141, 64.7075,
210.7837

■ 0.1089, 0.0000,
6.1768

■ 124.8347, 86.0479,
257.6184


■ 0.0000, 0.0000,
2.8824

■ 156.6966,

■ 0.0000, 0.0000,

111.6293, 310.9227

1.0349

 193.5651,
141.8363, 371.1149


 0.0000, 0.0000,
0.0000


 18.3430, 8.1692,
59.0026


 18.3430, 8.1692,
59.0026


 18.3436, 8.1695,
59.0028

 19.8594, 9.3382,
59.1485

 21.7725, 11.1246,
59.3925

 24.1806, 13.7197,
59.7665

 27.1375, 17.2270,
60.2876

 30.6893, 21.7341,
60.9704

■ 34.8762, 27.3178,
61.8275

■ 39.7350, 34.0474,
62.8703

■ 45.2991, 41.9860,
64.1094

■ 51.5996, 51.1924,
65.5543

Harmonies

Analogous

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



10.6649, 8.1692, 91.6429



18.3430, 8.1692, 59.0026



24.3219, 8.1692, 21.7091

Triad

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



18.3430, 8.1692, 59.0026



11.4598, 8.1692, 0.0000



1.1534, 8.1692, 18.6094

Complementary

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



18.3430, 8.1692, 59.0026



26.2875, 46.3163, 7.5544

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.



1.2013, 8.1692, 2.4838



18.3430, 8.1692, 59.0026



5.4445, 8.1692, 0.0000

Square

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



18.3430, 8.1692, 59.0026



19.1706, 8.1692, 0.0000



2.3162, 8.1692, 0.0000



2.1169, 8.1692, 54.4755

Rectangle

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



18.3430, 8.1692, 59.0026



25.3051, 8.1692, 7.1422



2.3162, 8.1692, 0.0000



1.0753, 8.1692, 10.9130

Sweetspot

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



18.3436, 8.1695, 59.0028



64.0655, 54.7233, 101.7938



15.0287, 12.2324, 59.9618



12.9680, 10.6734, 21.6266



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.



18.3436, 8.1695, 59.0028



29.4812, 13.1130, 95.5850



35.3834, 17.0938, 53.4804



11.1960, 11.1504, 14.1325



11.4085, 5.0888, 36.3372



0.6747, 0.3069, 1.8786

Inverse Universe

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



27.2990, 13.8600, 10.9086



44.1315, 22.4166, 17.1565



22.1278, 44.1654, 7.6543



11.4125, 11.2937, 12.7067



16.8567, 8.5533, 6.9641



0.9075, 0.4564, 0.5588

Previews

White Background



This preview shows how the XYZ color 18.3430, 8.1692, 59.0026 looks on a white background.

Color Contrast Check

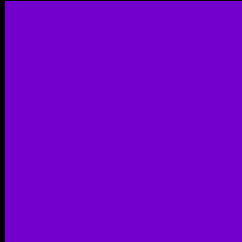
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3430, 8.1692, 59.0026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

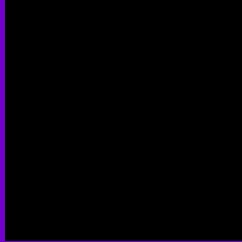
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.3430, 8.1692, 59.0026

Background



This preview shows how black text looks on a background with the XYZ color 18.3430, 8.1692, 59.0026.



This preview shows how white text looks on a background with the XYZ color 18.3430, 8.1692,

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

18.3430, 8.1692, 59.0026

Protanopia

9.9365, 8.5645, 38.1752

Deuteranopia

8.2825, 8.5106, 27.5917



Tritanopia

8.6135, 8.5001, 10.2035

Trichromacy



Original Color

18.3430, 8.1692, 59.0026



Protanomaly

10.5822, 6.2373, 44.9021



Deuteranomaly

9.2491, 5.9206, 37.2145



Tritanomaly

10.2501, 6.5760, 21.8482

Monochromacy



Original Color

18.3430, 8.1692, 59.0026



Achromatopsia

4.0217, 4.2311, 4.6077



Achromatomaly

6.8106, 4.1553, 15.7723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3430, 8.1692, 59.0026 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(116, 0, 206)` looks like.

```
.text, #text, p{  
    color:rgb(116, 0, 206)  
}
```

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(116, 0, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 0, 206) }
```

Border

The CSS property to change the border of an element to XYZ 18.3430, 8.1692, 59.0026 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(116, 0, 206) }
```


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

```
.border{ border-color:rgb(116, 0, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 0, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 0, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 0, 206);  
box-shadow:4px 4px 4px 4px rgb(116, 0,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3430, 8.1692, 59.0026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 0, 206) }
```

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

```
.background{ background-color: rgb(116, 0,  
206) }
```

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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