

# Converting Colors

XYZ(19.2271, 8.4487, 72.5692)

Have a look what the booklet for  
XYZ(19.2271, 8.4487, 72.5692)  
contains.

<b>XYZ(19.1811, 8.4314, 72.5680)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(19.1811, 8.4314,  
72.5680)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6508E2
RGB	101, 8, 226
RGB Percent	40%, 3%, 89%
CMY	0.6039, 0.9687, 0.1137
CMYK	0.55, 0.96, 0.00, 0.11
HSL	266°, 93%, 46%
HSV	266°, 96%, 89%
XYZ	19.1811, 8.4314, 72.5680
YIQ	60.6590, -14.5500, 87.5140

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	101, 8, 226
Decimal	6621410
CIELab	34.87, 74.03, -87.00
CIElCh	35, 114.235, 310.395
Yxy	8.4314, 0.1915, 0.0842
Android (android.graphics.Color)	4284811490 (0xFF6508E2)
YUV	60.6590, 81.5131, 35.3791
Hunter-Lab	29.0369, 67.0985, -127.8498

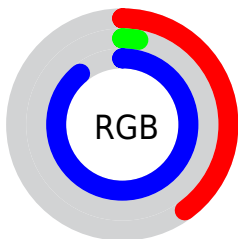
# Details

The XYZ color **19.1811, 8.4314, 72.5680** is a dark color, and the websafe version is hex **6600CC**.

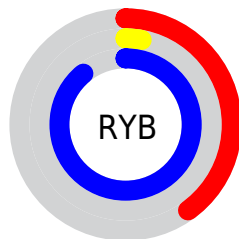
The color can be described as dark washed purple. A complement of this color would be **36.9113, 59.3961, 9.7487**, and the grayscale version is **4.2780, 4.5007, 4.9013**.

A 20% lighter version of the original color is **36.2914, 20.6681, 96.6843**, and **7.2741, 2.9226, 37.7169** is the 20% darker color. If you saturate the color by 10%, you get **18.5960, 8.0008, 72.5160**, and if you desaturate by 10%, it is **21.1416, 10.0248, 72.7725**.

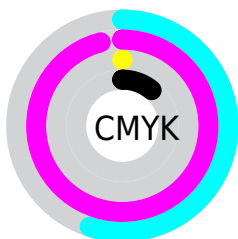
# Distribution



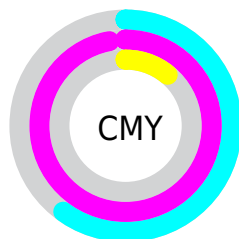
- Red (40%)
- Green (3%)
- Blue (89%)



- Red (40%)
- Yellow (3%)
- Blue (89%)



- Cyan (55%)
- Magenta (96%)
- Yellow (0%)
- Black (11%)



- Cyan (60%)
- Magenta (97%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1811, 8.4314, 72.5680 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 19.1811, 8.4314, 72.5680 by changing the saturation by 10% instead.



19.1811, 8.4314,  
72.5680

19.1811, 8.4314,  
72.5680

240.3657,  
179.0776, 488.5468

11.9060, 4.3722,  
53.1331

41.5544, 22.7999,  
124.5790

6.7514, 1.8839,  
37.5206

57.3833, 33.8780,  
157.9921

3.3521, 0.5387,  
25.3119

76.7942, 48.0646,  
196.9018

1.3426, 0.0000,  
16.0884

100.1524, 65.7440,  
241.7265

0.2147, 0.0000,  
9.4317

127.8233, 87.3006,  
292.8849


0.0000, 0.0000,  
4.9232


160.1722,

0.0000, 0.0000,


113.1188, 350.7953


2.1443


 197.5646,  
143.5830, 415.8764


 0.0000, 0.0000,  
0.6420

 0.0000, 0.0000,  
0.0000


 19.1811, 8.4314,  
72.5680

 19.1811, 8.4314,  
72.5680

 18.5960, 8.0008,  
72.5160

 21.1416, 10.0248,  
72.7725

 23.7501, 12.5609,  
73.1245

 27.0926, 16.1964,  
73.6501

 31.2382, 21.0566,  
74.3697

■ 36.2470, 27.2490,  
75.3010

■ 42.1726, 34.8689,  
76.4594

■ 49.0639, 44.0026,  
77.8592

■ 56.9661, 54.7295,  
79.5132

■ 65.9214, 67.1233,  
81.4335

# Harmonies

## Analogous

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



10.4932, 8.4314, 108.9797



19.1811, 8.4314, 72.5680



26.5533, 8.4314, 27.2441

# Triad

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



19.1811, 8.4314, 72.5680



12.9942, 8.4314, 0.0000



0.9286, 8.4314, 17.2942

# Complementary

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



19.1811, 8.4314, 72.5680



36.9113, 59.3961, 9.7487

# 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.



1.0579, 8.4314, 1.6379



19.1811, 8.4314, 72.5680



5.9594, 8.4314, 0.0000

# Square

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



19.1811, 8.4314, 72.5680



21.8399, 8.4314, 0.0000



2.3285, 8.4314, 0.0000



1.7587, 8.4314, 57.5765



# Rectangle

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



19.1811, 8.4314, 72.5680



28.1994, 8.4314, 8.9350



2.3285, 8.4314, 0.0000



0.8806, 8.4314, 9.4302

# Sweetspot

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



19.1817, 8.4315, 72.5683



61.9089, 54.3746, 101.8401



22.5145, 22.9164, 75.1885



12.4169, 10.5325, 21.6285



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.



19.1817, 8.4315, 72.5683



24.3315, 10.4582, 95.3440



39.7798, 19.0503, 73.5322



13.5037, 13.5277, 17.2871



10.7385, 4.6312, 41.3763



0.8452, 0.3730, 2.8727



# Inverse Universe

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



35.6838, 18.0355, 23.7866



46.4443, 23.3417, 29.3354



27.6704, 54.6322, 9.3162



14.0349, 13.8316, 15.9542



20.2364, 10.1615, 13.1763

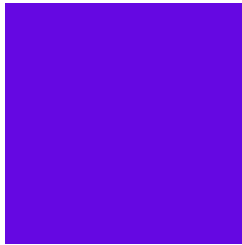


1.4472, 0.7222, 1.1479



# Previews

## White Background



This preview shows how the XYZ color 19.1811, 8.4314, 72.5680 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

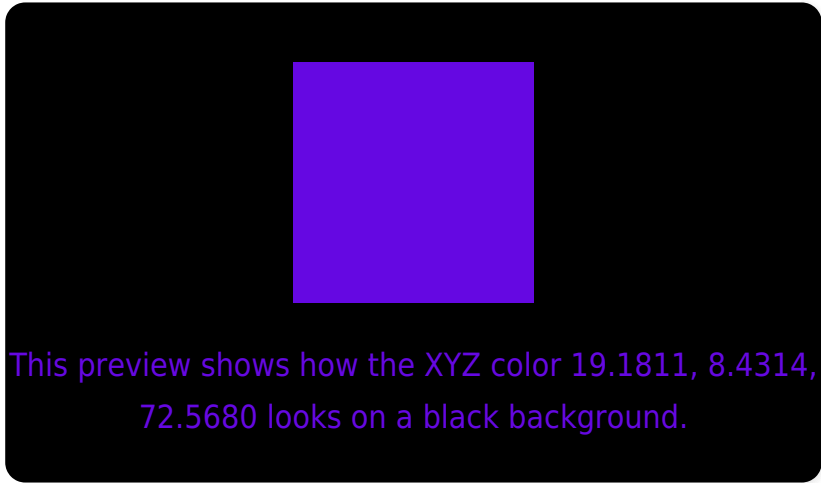
Any Text WCAG AA ✓ Pass

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

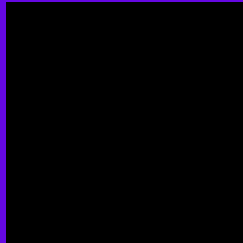
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 19.1811, 8.4314, 72.5680**

## **Background**



This preview shows how black text looks on a background with the XYZ color 19.1811, 8.4314, 72.5680.



This preview shows how white text looks on a background with the XYZ color 19.1811, 8.4314,



# 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

19.1811, 8.4314, 72.5680

### Protanopia

9.9365, 8.5645, 38.1752

### Deuteranopia

8.2825, 8.5106, 27.5917



## Tritanopia

7.1308, 8.6179, 12.1141

# Trichromacy



## Original Color

19.1811, 8.4314, 72.5680

## Protanomaly

11.2674, 6.7058, 48.8446

## Deuteranomaly

9.8661, 6.3756, 40.7550

## Tritanomaly

9.1944, 6.4888, 26.7545

# Monochromacy



## Original Color

19.1811, 8.4314, 72.5680

## Achromatopsia

4.4355, 4.6665, 5.0818

## Achromatomaly

7.2596, 4.5729, 18.5892

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 19.1811, 8.4314, 72.5680 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(101, 8, 226)` looks like.

```
.text, #text, p{  
    color:rgb(101, 8, 226)  
}
```

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(101, 8, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 8, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 19.1811, 8.4314, 72.5680 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(101, 8, 226) }
```



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

```
.border{ border-color:rgb(101, 8, 226) }
```

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

Here you see how a box with a 4 pixel rgb(101, 8, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 8, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 8, 226);  
box-shadow:4px 4px 4px 4px rgb(101, 8,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 19.1811, 8.4314, 72.5680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 8, 226) }
```

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

```
.background{ background-color: rgb(101, 8,  
226) }
```

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**