

Converting Colors

XYZ(19.2867, 8.3008, 75.0810)

Have a look what the booklet for
XYZ(19.2867, 8.3008, 75.0810)
contains.

XYZ(19.3199, 8.3098, 75.4486)	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(19.3199, 8.3098,
75.4486)**

Conversions

Conversions Part 1

Format	Color
Hex	6200E6
RGB	98, 0, 230
RGB Percent	38%, 0%, 90%
CMY	0.6157, 1.0000, 0.0980
CMYK	0.57, 1.00, 0.00, 0.10
HSL	266°, 100%, 45%
HSV	266°, 100%, 90%
XYZ	19.3199, 8.3098, 75.4486
YIQ	55.5220, -15.4220, 92.3060

Conversions

Conversions Part 2

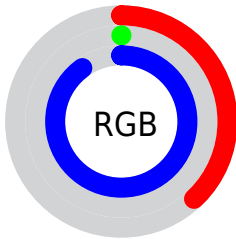
Format	Color
RYB	98, 0, 230
Decimal	6422758
CIELab	34.62, 75.80, -89.71
CIELCh	35, 117.440, 310.196
Yxy	8.3098, 0.1874, 0.0806
Android (android.graphics.Color)	4284612838 (0xFF6200E6)
YUV	55.5220, 86.0177, 37.2532
Hunter-Lab	28.8267, 69.1854, -135.0019

Details

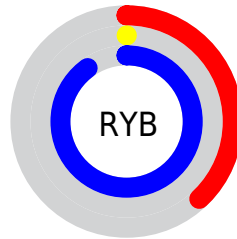
The XYZ color **19.3199, 8.3098, 75.4486** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed purple. A complement of this color would be **37.8117, 61.4989, 9.8776**, and the grayscale version is **3.5938, 3.7810, 4.1175**.

A 20% lighter version of the original color is **35.7387, 20.1754, 96.6183**, and **7.5428, 3.0171, 39.7200** is the 20% darker color. If you saturate the color by 10%, you get **19.3207, 8.3102, 75.4489**, and if you desaturate by 10%, it is **21.1709, 9.7189, 75.6233**.

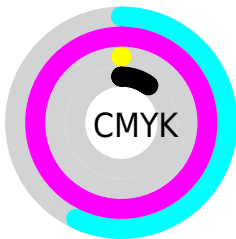
Distribution



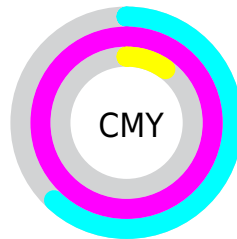
- Red (38%)
- Green (0%)
- Blue (90%)



- Red (38%)
- Yellow (0%)
- Blue (90%)



- Cyan (57%)
- Magenta (100%)
- Yellow (0%)
- Black (10%)





- Cyan (62%)
- Magenta (100%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3199, 8.3098, 75.4486 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 19.3199, 8.3098, 75.4486 by changing the saturation by 10% instead.

 19.3199, 8.3098,
75.4486


 19.3199, 8.3098,
75.4486


241.1135,
178.1421, 498.7545

 12.0070, 4.2938,
55.4765

 41.7867, 22.5636,
128.7001


 6.8207, 1.8392,
39.3822


 57.6713, 33.5701,
162.8166


 3.3956, 0.5115,
26.7471


 77.1438, 47.6757,
202.4850

 1.3662, 0.0000,
17.1526

 100.5697, 65.2647,
248.1239

 0.2320, 0.0000,
10.1802

 128.3143, 86.7214,
300.1517

 0.0000, 0.0000,
5.4115


 160.7428,


 0.0000, 0.0000,


112.4303, 358.9871

2.4277


 198.2208,
142.7757, 425.0485


 0.0000, 0.0000,
0.8015


 0.0000, 0.0000,
0.0000


 19.3199, 8.3098,
75.4486


 19.3199, 8.3098,
75.4486

 19.3207, 8.3102,
75.4489

 21.1709, 9.7189,
75.6233

 23.6309, 11.9825,
75.9306

 26.8270, 15.3391,
76.4100

 30.8363, 19.9281,
77.0844

■ 35.7243, 25.8676,
77.9733

■ 41.5492, 33.2612,
79.0934

■ 48.3637, 42.2020,
80.4600

■ 56.2163, 52.7754,
82.0870

■ 65.1520, 65.0602,
83.9872

Harmonies

Analogous

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



10.3777, 8.3098, 113.6226



19.3199, 8.3098, 75.4486



26.9998, 8.3098, 27.9221

Triad

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



19.3199, 8.3098, 75.4486



13.0551, 8.3098, 0.0000



0.8212, 8.3098, 17.1757

Complementary

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



19.3199, 8.3098, 75.4486



37.8117, 61.4989, 9.8776

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.



0.9498, 8.3098, 1.4574



19.3199, 8.3098, 75.4486



5.8489, 8.3098, 0.0000

Square

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



19.3199, 8.3098, 75.4486



22.1940, 8.3098, 0.0000



2.1953, 8.3098, 0.0000



1.6128, 8.3098, 59.0208

Rectangle

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



19.3199, 8.3098, 75.4486



28.7478, 8.3098, 8.9237



2.1953, 8.3098, 0.0000



0.7759, 8.3098, 9.1734

Sweetspot

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



19.3207, 8.3102, 75.4489



60.9621, 53.1235, 101.6485



22.8312, 22.8096, 78.0625



12.2353, 10.2957, 21.5923



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.



19.3207, 8.3102, 75.4489



24.3148, 10.4496, 95.3432



41.0993, 19.5375, 76.4681



14.1622, 14.1858, 18.1360



11.0716, 4.7735, 42.7210



0.9225, 0.4066, 3.1618

Inverse Universe

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



36.7977, 18.4888, 23.4569



46.4549, 23.3459, 29.3911



28.5687, 56.7340, 9.4450



14.7219, 14.5060, 16.7360



20.8951, 10.4923, 13.6086



1.5903, 0.7938, 1.2493

Previews

White Background



This preview shows how the XYZ color 19.3199, 8.3098, 75.4486 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

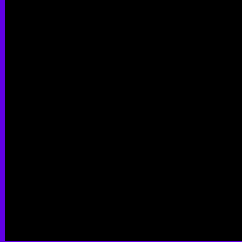
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.3199, 8.3098, 75.4486

Background



This preview shows how black text looks on a background with the XYZ color 19.3199, 8.3098, 75.4486.



This preview shows how white text looks on a background with the XYZ color 19.3199, 8.3098,

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

19.3199, 8.3098, 75.4486

Protanopia

9.9365, 8.5645, 38.1752

Deuteranopia

8.2064, 8.4802, 27.1909



Tritanopia

6.8122, 8.5657, 12.6036

Trichromacy



Original Color

19.3199, 8.3098, 75.4486

Protanomaly

11.3154, 6.5043, 49.9493

Deuteranomaly

9.7846, 6.1085, 41.2208

Tritanomaly

8.6883, 6.0606, 27.4999

Monochromacy



Original Color

19.3199, 8.3098, 75.4486

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

6.5592, 3.9333, 17.8662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3199, 8.3098, 75.4486 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(98, 0, 230)` looks like.

```
.text, #text, p{  
    color:rgb(98, 0, 230)  
}
```

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(98, 0, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 0, 230) }
```

Border

The CSS property to change the border of an element to XYZ 19.3199, 8.3098, 75.4486 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(98, 0, 230) }
```


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

```
.border{ border-color:rgb(98, 0, 230) }
```

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

Here you see how a box with a 4 pixel rgb(98, 0, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 0, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 0, 230);  
box-shadow:4px 4px 4px 4px rgb(98, 0, 230)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.3199, 8.3098, 75.4486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 0, 230) }
```

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

```
.background{ background-color: rgb(98, 0,  
230) }
```

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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