

Converting Colors

XYZ(8.2022, 4.4209, 19.7751)

Have a look what the booklet for
XYZ(8.2022, 4.4209, 19.7751)
contains.

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Color

**XYZ(8.2367, 4.4350,
19.8240)**

Conversions

Conversions Part 1

Format	Color
Hex	591C7D
RGB	89, 28, 125
RGB Percent	35%, 11%, 49%
CMY	0.6510, 0.8902, 0.5098
CMYK	0.29, 0.78, 0.00, 0.51
HSL	278°, 63%, 30%
HSV	278°, 78%, 49%
XYZ	8.2367, 4.4350, 19.8240
YIQ	57.2970, 5.2190, 43.0990

Conversions

Conversions Part 2

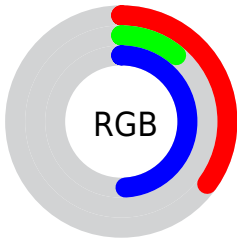
Format	Color
R_{YB}	89, 28, 125
Decimal	5839997
CIE _{Lab}	25.06, 44.28, -42.56
CIE _{LCh}	25, 61.417, 316.133
Yxy	4.4350, 0.2535, 0.1365
Android (android.graphics.Color)	4284030077 (0xFF591C7D)
YUV	57.2970, 33.3776, 27.8035
Hunter-Lab	21.0594, 32.9603, -41.0702

Details

The XYZ color **8.2367, 4.4350, 19.8240** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **9.6577, 15.8412, 3.6474**, and the grayscale version is **3.8852, 4.0876, 4.4513**.

A 20% lighter version of the original color is **22.1596, 14.6460, 43.7785**, and **2.0329, 0.9013, 6.7234** is the 20% darker color. If you saturate the color by 10%, you get **7.5683, 3.7382, 19.7248**, and if you desaturate by 10%, it is **9.0568, 5.3930, 19.9658**.

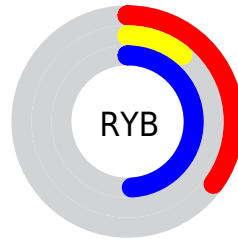
Distribution



Red (35%)

Green (11%)

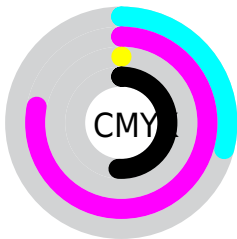
Blue (49%)



Red (35%)

Yellow (11%)

Blue (49%)

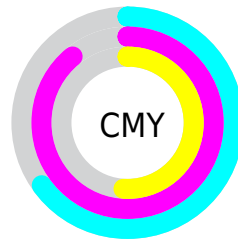


Cyan (29%)

Magenta (78%)

Yellow (0%)

Black (51%)



Cyan (65%)

Magenta (89%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.2367, 4.4350, 19.8240 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 8.2367, 4.4350, 19.8240 by changing the saturation by 10% instead.

■ 8.2367, 4.4350,
19.8240

■ 8.2367, 4.4350,
19.8240

171.9075,
144.2248, 263.5334

■ 4.2999, 1.9197,
12.0844

■ 22.1022, 14.5849,
43.9770

■ 1.8731, 0.5602,
6.6779

■ 32.7615, 22.9884,
61.2274

■ 0.5611, 0.0000,
3.1861

■ 46.3924, 34.1233,
82.4852

■ 0.0000, 0.0000,
1.1904

■ 63.3602, 48.3742,
108.1689

■ 0.0000, 0.0000,
0.0000

■ 84.0303, 66.1254,
138.6970

■ 108.7679, 87.7613,

174.4881

137.9385,
113.6663, 215.9607

8.2367, 4.4350,
19.8240

8.2367, 4.4350,
19.8240

7.5683, 3.7382,
19.7248

9.0568, 5.3930,
19.9658

7.0192, 3.2393,
19.6575

10.0421, 6.6393,
20.1544

6.8937, 3.1262,
19.6422

11.2051, 8.1979,
20.3939

12.5569, 10.0902,
20.6879

14.1075, 12.3356,
21.0396

■ 15.8662, 14.9521,
21.4520

■ 17.8417, 17.9563,
21.9277

■ 20.0422, 21.3638,
22.4695

■ 22.4752, 25.1895,
23.0797

Harmonies

Analogous

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



5.5561, 4.4350, 29.7587



8.2367, 4.4350, 19.8240



10.0724, 4.4350, 8.5109

Triad

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



8.2367, 4.4350, 19.8240



5.3570, 4.4350, 0.0000



1.2489, 4.4350, 9.2307

Complementary

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



8.2367, 4.4350, 19.8240



9.6577, 15.8412, 3.6474

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.



1.2290, 4.4350, 2.3997



8.2367, 4.4350, 19.8240



3.1097, 4.4350, 0.0000

Square

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



8.2367, 4.4350, 19.8240



8.0464, 4.4350, 0.0000



1.7770, 4.4350, 0.0452



1.8469, 4.4350, 20.7387

Rectangle

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



8.2367, 4.4350, 19.8240



10.2573, 4.4350, 3.6069



1.7770, 4.4350, 0.0452



1.1844, 4.4350, 6.3000

Sweetspot

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



8.2369, 4.4352, 19.8241



26.4904, 23.9024, 37.9618



6.0815, 5.5294, 20.1489



5.8158, 5.1268, 8.5861



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



8.2369, 4.4352, 19.8241



12.8013, 6.0185, 35.2313



11.8921, 6.3983, 16.4336



4.3482, 4.3351, 5.4209



7.1870, 3.2587, 20.5001



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.7982, 5.5608, 5.4075



16.3057, 8.4712, 6.2051



8.1841, 15.0628, 4.4233



4.3886, 4.3686, 4.8511



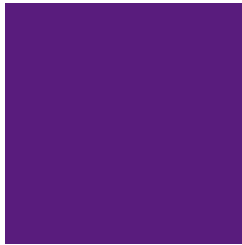
9.3466, 4.7583, 3.1490



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 8.2367, 4.4350, 19.8240 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 8.2367, 4.4350, 19.8240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

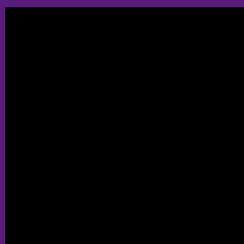
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.2367, 4.4350, 19.8240

Background



This preview shows how black text looks on a background with the XYZ color 8.2367, 4.4350, 19.8240.



This preview shows how white text looks on a background with the XYZ color 8.2367, 4.4350,

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

8.2367, 4.4350, 19.8240

Protanopia

5.2021, 4.5832, 19.6792

Deuteranopia

4.4294, 4.5280, 14.8279



Tritanopia

5.2248, 4.5635, 4.6085

Trichromacy



Original Color

8.2367, 4.4350, 19.8240

Protanomaly

5.2907, 3.8762, 19.5381

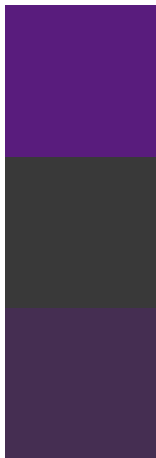
Deuteranomaly

4.7735, 3.8032, 16.4021

Tritanomaly

5.9411, 4.2798, 8.4956

Monochromacy



Original Color

8.2367, 4.4350, 19.8240

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

4.9542, 3.8284, 8.4605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.2367, 4.4350, 19.8240 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(89, 28, 125)` looks like.

```
.text, #text, p{  
    color:rgb(89, 28, 125)  
}
```

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(89, 28, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 28, 125) }
```

Border

The CSS property to change the border of an element to XYZ 8.2367, 4.4350, 19.8240 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(89, 28, 125) }
```


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

```
.border{ border-color:rgb(89, 28, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 28, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 28, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 28, 125);  
box-shadow:4px 4px 4px 4px rgb(89, 28,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 8.2367, 4.4350, 19.8240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 28, 125) }
```

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

```
.background{ background-color: rgb(89, 28,  
125) }
```

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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