

Converting Colors

XYZ(20.8001, 11.3894, 39.1772)

Have a look what the booklet for
XYZ(20.8001, 11.3894, 39.1772)
contains.

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Color

**XYZ(20.8499, 11.4193,
39.1355)**

Conversions

Conversions Part 1

Format	Color
Hex	962FAA
RGB	150, 47, 170
RGB Percent	59%, 18%, 67%
CMY	0.4118, 0.8157, 0.3333
CMYK	0.12, 0.72, 0.00, 0.33
HSL	290°, 57%, 43%
HSV	290°, 72%, 67%
XYZ	20.8499, 11.4193, 39.1355
YIQ	91.8190, 21.9050, 60.0890

Conversions

Conversions Part 2

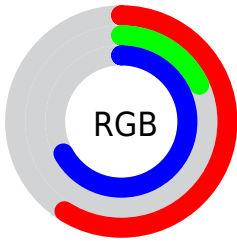
Format	Color
RYB	150, 47, 170
Decimal	9842602
CIELab	40.28, 58.97, -45.17
CIELCh	40, 74.283, 322.550
Yxy	11.4193, 0.2920, 0.1599
Android (android.graphics.Color)	4288032682 (0xFF962FAA)
YUV	91.8190, 38.5432, 51.0247
Hunter-Lab	33.7925, 50.9975, -45.0098

Details

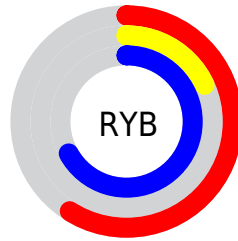
The XYZ color **20.8499, 11.4193, 39.1355** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **17.2029, 30.1483, 7.6022**, and the grayscale version is **10.0424, 10.5653, 11.5057**.

A 20% lighter version of the original color is **44.3098, 28.4569, 75.1088**, and **7.9302, 3.7173, 17.1292** is the 20% darker color. If you saturate the color by 10%, you get **19.7954, 10.0560, 38.9281**, and if you desaturate by 10%, it is **22.1820, 13.3190, 39.4321**.

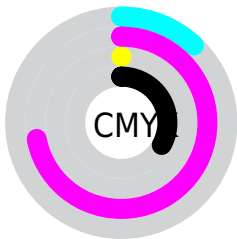
Distribution



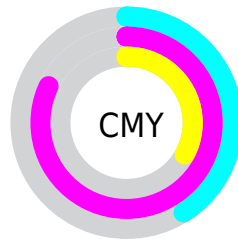
- Red (59%)
- Green (18%)
- Blue (67%)



- Red (59%)
- Yellow (18%)
- Blue (67%)



- Cyan (12%)
- Magenta (72%)
- Yellow (0%)
- Black (33%)





- Cyan (41%)
- Magenta (82%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8499, 11.4193, 39.1355 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 20.8499, 11.4193, 39.1355 by changing the saturation by 10% instead.


 20.8499, 11.4193,
39.1355


 20.8499, 11.4193,
39.1355


249.2266,
200.5220, 357.9094


 13.1262, 6.3496,
26.5565


 44.3308, 28.4330,
75.0679


 7.5931, 3.0588,
17.0109

 60.8186, 41.1457,
99.2584


 3.8853, 1.1625,
10.0803


 80.9585, 57.1749,
128.1564

 1.6374, 0.0308,
5.3459

 105.1158, 76.9050,
162.1806

 0.4166, 0.0000,
2.3893

 133.6559,
100.7204, 201.7495

 0.0000, 0.0000,
0.7806

 166.9442,

 0.0000, 0.0000,

129.0054, 247.2815

0.0000

205.3459,
162.1445, 299.1953

■ 20.8499, 11.4193,
39.1355

■ 20.8499, 11.4193,
39.1355

■ 19.7954, 10.0560,
38.9281

■ 22.1820, 13.3190,
39.4321

■ 18.9842, 9.1622,
38.7984

■ 23.8179, 15.8088,
39.8265

■ 18.4728, 8.6849,
38.7332

■ 25.7822, 18.9373,
40.3268

■ 28.0966, 22.7477,
40.9403

■ 30.7807, 27.2794,
41.6736

■ 33.8529, 32.5689,
42.5326

■ 37.3301, 38.6499,
43.5231

■ 41.2285, 45.5545,
44.6504

■ 45.5629, 53.3125,
45.9194

Harmonies

Analogous

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



15.1441, 11.4193, 61.8479



20.8499, 11.4193, 39.1355



24.0465, 11.4193, 16.5160

Triad

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



20.8499, 11.4193, 39.1355



12.1986, 11.4193, 0.0000



4.0038, 11.4193, 26.9144

Complementary

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



20.8499, 11.4193, 39.1355



17.2029, 30.1483, 7.6022

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.



3.6650, 11.4193, 9.0864



20.8499, 11.4193, 39.1355



7.4614, 11.4193, 0.0588

Square

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



20.8499, 11.4193, 39.1355



18.1158, 11.4193, 0.7322



4.7063, 11.4193, 1.8985



5.8495, 11.4193, 51.6738

Rectangle

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



20.8499, 11.4193, 39.1355



23.7856, 11.4193, 7.2036



4.7063, 11.4193, 1.8985



3.7403, 11.4193, 19.7282

Sweetspot

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



20.8504, 11.4198, 39.1357



55.8230, 49.4528, 75.6050



10.4654, 7.5811, 38.9422



12.1497, 10.5193, 16.7778



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.8504, 11.4198, 39.1357



34.9523, 17.1443, 70.4689



21.5569, 12.1644, 21.9812



7.7204, 7.6040, 9.4791



13.6282, 6.4090, 28.4943



0.3625, 0.1719, 0.6947

Inverse Universe

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



18.6075, 10.9847, 6.4501



31.3353, 16.7055, 5.8789



17.3088, 30.0587, 14.1227



7.5790, 7.5615, 8.1004



12.3600, 6.3527, 1.4415



0.3149, 0.1602, 0.1096

Previews

White Background



This preview shows how the XYZ color 20.8499, 11.4193, 39.1355 looks on a white background.

Color Contrast Check

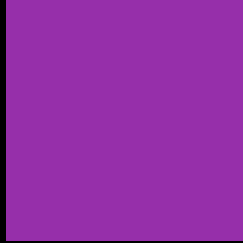
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.8499, 11.4193, 39.1355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8499, 11.4193, 39.1355

Background



This preview shows how black text looks on a background with the XYZ color 20.8499, 11.4193, 39.1355.



This preview shows how white text looks on a background with the XYZ color 20.8499, 11.4193,

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

20.8499, 11.4193, 39.1355

Protanopia

13.7910, 11.6398, 53.7444

Deuteranopia

12.0629, 11.8110, 35.8264



Tritanopia

14.8627, 11.4213, 9.6048

Trichromacy



Original Color

20.8499, 11.4193, 39.1355



Protanomaly

13.1296, 9.5690, 48.1687



Deuteranomaly

13.4253, 10.2870, 36.8753



Tritanomaly

16.3704, 10.9739, 17.4750

Monochromacy



Original Color

20.8499, 11.4193, 39.1355



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

12.7847, 10.0357, 19.0326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8499, 11.4193, 39.1355 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(150, 47, 170)` looks like.

```
.text, #text, p{  
    color:rgb(150, 47, 170)  
}
```

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(150, 47, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 47, 170) }
```

Border

The CSS property to change the border of an element to XYZ 20.8499, 11.4193, 39.1355 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(150, 47, 170) }
```


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

```
.border{ border-color:rgb(150, 47, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 47, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 47, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 47, 170);  
box-shadow:4px 4px 4px 4px rgb(150, 47,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8499, 11.4193, 39.1355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 47, 170) }
```

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

```
.background{ background-color: rgb(150, 47,  
170) }
```

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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