

Converting Colors

XYZ(19.3833, 9.1585, 46.6457)

Have a look what the booklet for
XYZ(19.3833, 9.1585, 46.6457)
contains.

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Color

**XYZ(19.3579, 9.1454,
46.6439)**

Conversions

Conversions Part 1

Format	Color
Hex	8A0BB9
RGB	138, 11, 185
RGB Percent	54%, 4%, 73%
CMY	0.4588, 0.9568, 0.2745
CMYK	0.25, 0.94, 0.00, 0.27
HSL	284°, 89%, 38%
HSV	284°, 94%, 73%
XYZ	19.3579, 9.1454, 46.6439
YIQ	68.8090, 19.8380, 81.0380

Conversions

Conversions Part 2

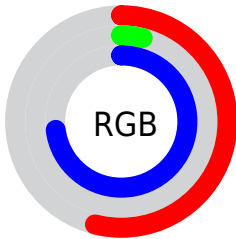
Format	Color
R_{YB}	138, 11, 185
Decimal	9046969
CIE _{Lab}	36.26, 68.91, -60.66
CIE _{LCh}	36, 91.803, 318.642
Y _{xy}	9.1454, 0.2576, 0.1217
Android (android.graphics.Color)	4287237049 (0xFF8A0BB9)
YUV	68.8090, 57.2822, 60.6805
Hunter-Lab	30.2414, 61.3378, -70.2792

Details

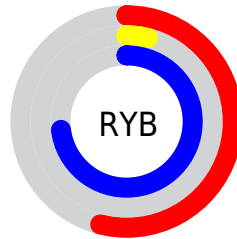
The XYZ color **19.3579, 9.1454, 46.6439** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **19.1545, 35.6218, 6.1829**, and the grayscale version is **5.5336, 5.8218, 6.3399**.

A 20% lighter version of the original color is **41.8093, 24.1812, 86.4682**, and **7.4901, 3.3880, 21.7319** is the 20% darker color. If you saturate the color by 10%, you get **18.7535, 8.6562, 46.5815**, and if you desaturate by 10%, it is **20.5364, 10.2461, 46.7944**.

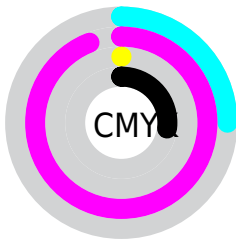
Distribution



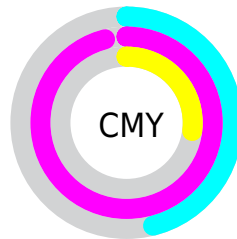
- Red (54%)
- Green (4%)
- Blue (73%)



- Red (54%)
- Yellow (4%)
- Blue (73%)



- Cyan (25%)
- Magenta (94%)
- Yellow (0%)
- Black (27%)





- Cyan (46%)
- Magenta (96%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3579, 9.1454, 46.6439 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 19.3579, 9.1454, 46.6439 by changing the saturation by 10% instead.


 19.3579, 9.1454,
46.6439

 19.3579, 9.1454,
46.6439

241.3179,
184.4589, 389.7439


 12.0347, 4.8361,
32.4019


 41.8502, 24.1752,
86.5262


 6.8397, 2.1514,
21.4013


 57.7500, 35.6645,
113.0037


 3.4075, 0.6933,
13.2236


 77.2395, 50.3159,
144.3967

 1.3727, 0.0000,
7.4501

 100.6838, 68.5139,
181.1237

 0.2367, 0.0000,
3.6625

 128.4485, 90.6427,
223.6035

 0.0000, 0.0000,
1.4421

 160.8988,

 0.0000, 0.0000,

117.0869, 272.2544

0.1742

198.4002,
148.2309, 327.4950

■ 0.0000, 0.0000,
0.0000

■ 19.3579, 9.1454,
46.6439

■ 19.3579, 9.1454,
46.6439

■ 18.7535, 8.6562,
46.5815

■ 20.5364, 10.2461,
46.7944

■ 22.0263, 11.9126,
47.0376

■ 23.8705, 14.2301,
47.3877

■ 26.1046, 17.2687,
47.8564

■ 28.7593, 21.0892,
48.4540

■ 31.8623, 25.7461,
49.1893

■ 35.4385, 31.2889,
50.0707

■ 39.5111, 37.7631,
51.1057

■ 44.1016, 45.2111,
52.3013

Harmonies

Analogous

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



12.5512, 9.1454, 75.5937



19.3579, 9.1454, 46.6439



23.8287, 9.1454, 17.2344

Triad

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



19.3579, 9.1454, 46.6439



10.9577, 9.1454, 0.0000



2.0107, 9.1454, 23.1991

Complementary

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



19.3579, 9.1454, 46.6439



19.1545, 35.6218, 6.1829

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.



1.8819, 9.1454, 5.0862



19.3579, 9.1454, 46.6439



5.7187, 9.1454, 0.0000

Square

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



19.3579, 9.1454, 46.6439



17.7749, 9.1454, 0.0000



2.9069, 9.1454, 0.1302



3.3916, 9.1454, 54.7254

Rectangle

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



19.3579, 9.1454, 46.6439



24.0004, 9.1454, 6.0488



2.9069, 9.1454, 0.1302



1.8505, 9.1454, 15.2671

Sweetspot

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



19.3584, 9.1457, 46.6441



60.5406, 51.4633, 88.9472



10.5268, 6.8376, 46.6641



12.4718, 10.2003, 19.0331



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



19.3584, 9.1457, 46.6441



33.3528, 15.3822, 83.4158



25.4175, 12.6698, 28.8337



9.1379, 9.0375, 11.3422



12.8418, 5.9314, 31.7211



0.5084, 0.2378, 1.1209

Inverse Universe

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



20.8912, 10.8593, 4.9982



36.7802, 18.8515, 6.6625



18.0352, 34.9885, 8.6759



9.1016, 9.0510, 9.8824



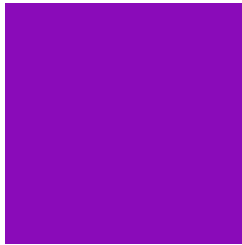
14.0416, 7.1904, 2.8397



0.5218, 0.2642, 0.2411

Previews

White Background



This preview shows how the XYZ color 19.3579, 9.1454, 46.6439 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

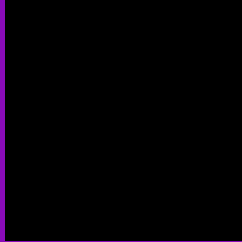
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.3579, 9.1454, 46.6439

Background



This preview shows how black text looks on a background with the XYZ color 19.3579, 9.1454, 46.6439.



This preview shows how white text looks on a background with the XYZ color 19.3579, 9.1454,

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

19.3579, 9.1454, 46.6439

Protanopia

11.1061, 9.5150, 42.8462

Deuteranopia

9.4051, 9.4779, 31.9056



Tritanopia

11.6428, 9.3801, 8.4046

Trichromacy



Original Color

19.3579, 9.1454, 46.6439



Protanomaly

11.0167, 6.8997, 43.9311



Deuteranomaly

9.7757, 6.7322, 36.3815



Tritanomaly

13.1039, 8.0776, 17.6981

Monochromacy



Original Color

19.3579, 9.1454, 46.6439



Achromatopsia

5.6565, 5.9511, 6.4808



Achromatomaly

8.5423, 5.6413, 15.6776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3579, 9.1454, 46.6439 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(138, 11, 185)` looks like.

```
.text, #text, p{  
    color:rgb(138, 11, 185)  
}
```

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(138, 11, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 11, 185) }
```

Border

The CSS property to change the border of an element to XYZ 19.3579, 9.1454, 46.6439 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(138, 11, 185) }
```


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

```
.border{ border-color:rgb(138, 11, 185) }
```

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

Here you see how a box with a 4 pixel rgb(138, 11, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 11, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 11, 185);  
box-shadow:4px 4px 4px 4px rgb(138, 11,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3579, 9.1454, 46.6439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 11, 185) }
```

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

```
.background{ background-color: rgb(138, 11,  
185) }
```

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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