

Converting Colors

XYZ(19.7566, 9.0991, 49.9810)

Have a look what the booklet for
XYZ(19.7566, 9.0991, 49.9810)
contains.

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Color

**XYZ(19.7205, 9.0800,
50.0034)**

Conversions

Conversions Part 1

Format	Color
Hex	8900BF
RGB	137, 0, 191
RGB Percent	54%, 0%, 75%
CMY	0.4627, 1.0000, 0.2510
CMYK	0.28, 1.00, 0.00, 0.25
HSL	283°, 100%, 37%
HSV	283°, 100%, 75%
XYZ	19.7205, 9.0800, 50.0034
YIQ	62.7370, 20.3410, 88.4450

Conversions

Conversions Part 2

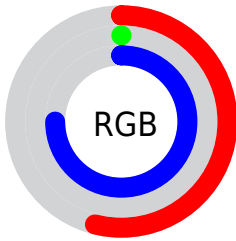
Format	Color
R_{YB}	137, 0, 191
Decimal	8978623
CIE _{Lab}	36.14, 71.27, -64.41
CIE _{LCh}	36, 96.064, 317.894
Yxy	9.0800, 0.2502, 0.1152
Android (android.graphics.Color)	4287168703 (0xFF8900BF)
YUV	62.7370, 63.2337, 65.1287
Hunter-Lab	30.1330, 64.0861, -77.2940

Details

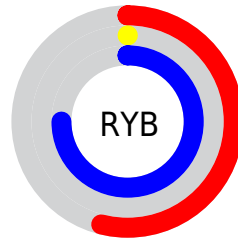
The XYZ color **19.7205, 9.0800, 50.0034** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **20.1525, 38.0461, 6.2817**, and the grayscale version is **4.5954, 4.8347, 5.2650**.

A 20% lighter version of the original color is **42.5042, 24.1050, 91.2195**, and **7.6684, 3.4398, 23.5523** is the 20% darker color. If you saturate the color by 10%, you get **19.7206, 9.0800, 50.0036**, and if you desaturate by 10%, it is **20.8632, 10.0174, 50.1243**.

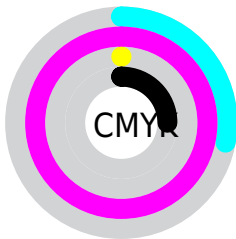
Distribution



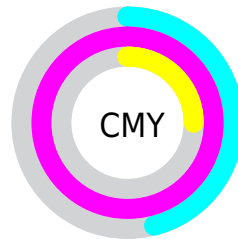
- Red (54%)
- Green (0%)
- Blue (75%)



- Red (54%)
- Yellow (0%)
- Blue (75%)



- Cyan (28%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)



- Cyan (46%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7205, 9.0800, 50.0034 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 19.7205, 9.0800, 50.0034 by changing the saturation by 10% instead.

■ 19.7205, 9.0800,
50.0034

■ 19.7205, 9.0800,
50.0034

243.2605,
183.9736, 403.4147

■ 12.2991, 4.7934,
35.0449

■ 42.4556, 24.0500,
91.5763

■ 7.0214, 2.1266,
23.4136

■ 58.5001, 35.5023,
119.0277

■ 3.5219, 0.6795,
14.6911

■ 78.1496, 50.1119,
151.4806

■ 1.4354, 0.0000,
8.4586

■ 101.7695, 68.2632,
189.3534

■ 0.2812, 0.0000,
4.2978

■ 129.7252, 90.3406,
233.0646

■ 0.0000, 0.0000,
1.7901

■ 162.3820,

■ 0.0000, 0.0000,

116.7285, 283.0329

0.4214

200.1053,
147.8114, 339.6767

0.0000, 0.0000,
0.0000

19.7205, 9.0800,
50.0034

19.7205, 9.0800,
50.0034

19.7206, 9.0800,
50.0036

20.8632, 10.0174,
50.1243

22.2808, 11.4386,
50.3239

24.0574, 13.5103,
50.6301

26.2359, 16.3171,
51.0571

28.8524, 19.9304,
51.6166

■ 31.9387, 24.4132,
52.3192

■ 35.5235, 29.8221,
53.1743

■ 39.6332, 36.2086,
54.1904

■ 44.2921, 43.6207,
55.3755

Harmonies

Analogous

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



12.4971, 9.0800, 81.1212



19.7205, 9.0800, 50.0034



24.6043, 9.0800, 18.1346

Triad

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



19.7205, 9.0800, 50.0034



11.1655, 9.0800, 0.0000



1.8016, 9.0800, 23.1735

Complementary

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



19.7205, 9.0800, 50.0034



20.1525, 38.0461, 6.2817

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.



1.7017, 9.0800, 4.6179



19.7205, 9.0800, 50.0034



5.6568, 9.0800, 0.0000

Square

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



19.7205, 9.0800, 50.0034



18.3809, 9.0800, 0.0000



2.7480, 9.0800, 0.0000



3.1333, 9.0800, 56.9736

Rectangle

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



19.7205, 9.0800, 50.0034



24.8894, 9.0800, 6.1409



2.7480, 9.0800, 0.0000



1.6543, 9.0800, 14.9102

Sweetspot

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



19.7210, 9.0803, 50.0036



63.2944, 52.9086, 95.1555



10.7289, 6.4113, 49.9624



13.2765, 10.6721, 20.7455



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



19.7210, 9.0803, 50.0036



35.0696, 16.1334, 89.5448



26.9603, 13.2663, 29.8330



9.6599, 9.5571, 12.0078



13.0420, 6.0095, 32.8655



0.5718, 0.2668, 1.2902

Inverse Universe

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



22.1520, 11.3429, 4.5125



39.5846, 20.2792, 7.6109



19.0380, 37.4246, 8.3538



9.6381, 9.5795, 10.4832



14.5881, 7.4664, 3.1245



0.6005, 0.3041, 0.2755

Previews

White Background



This preview shows how the XYZ color 19.7205, 9.0800, 50.0034 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

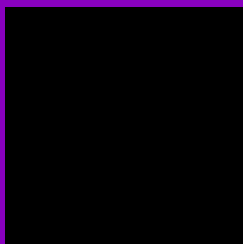
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.7205, 9.0800, 50.0034

Background



This preview shows how black text looks on a background with the XYZ color 19.7205, 9.0800, 50.0034.



This preview shows how white text looks on a background with the XYZ color 19.7205, 9.0800,

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

19.7205, 9.0800, 50.0034

Protanopia

11.2062, 9.5550, 43.3731

Deuteranopia

9.4889, 9.6454, 31.9335



Tritanopia

11.5718, 9.5333, 8.8196

Trichromacy



Original Color

19.7205, 9.0800, 50.0034



Protanomaly

11.1357, 6.6432, 45.4951



Deuteranomaly

9.7536, 6.3944, 37.2794



Tritanomaly

13.0513, 7.9056, 18.6074

Monochromacy



Original Color

19.7205, 9.0800, 50.0034



Achromatopsia

4.7246, 4.9707, 5.4130



Achromatomaly

7.7897, 4.8170, 15.2711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7205, 9.0800, 50.0034 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(137, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(137, 0, 191)  
}
```

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(137, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 0, 191) }
```

Border

The CSS property to change the border of an element to XYZ 19.7205, 9.0800, 50.0034 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(137, 0, 191) }
```


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

```
.border{ border-color:rgb(137, 0, 191) }
```

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

Here you see how a box with a 4 pixel rgb(137, 0, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(137, 0,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7205, 9.0800, 50.0034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 0, 191) }
```

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

```
.background{ background-color: rgb(137, 0,  
191) }
```

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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