

Converting Colors

XYZ(18.8172, 8.9728, 50.6032)

Have a look what the booklet for
XYZ(18.8172, 8.9728, 50.6032)
contains.

XYZ(18.8178, 8.9732, 50.6094)	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(18.8178, 8.9732,
50.6094)**

Conversions

Conversions Part 1

Format	Color
Hex	8114C0
RGB	129, 20, 192
RGB Percent	51%, 8%, 75%
CMY	0.4941, 0.9216, 0.2471
CMYK	0.33, 0.90, 0.00, 0.25
HSL	278°, 81%, 42%
HSV	278°, 90%, 75%
XYZ	18.8178, 8.9732, 50.6094
YIQ	72.1990, 9.7520, 76.6000

Conversions

Conversions Part 2

Format	Color
R_{YB}	129, 20, 192
Decimal	8459456
CIE _{Lab}	35.93, 67.57, -65.39
CIE _{LCh}	36, 94.025, 315.941
Yxy	8.9732, 0.2400, 0.1145
Android (android.graphics.Color)	4286649536 (0xFF8114C0)
YUV	72.1990, 59.0619, 49.8145
Hunter-Lab	29.9553, 59.7112, -79.2016

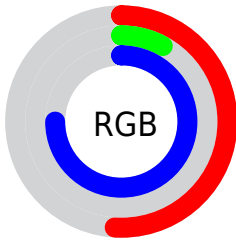
Details

The XYZ color **18.8178, 8.9732, 50.6094** is a dark color, and the websafe version is hex **9900CC**.

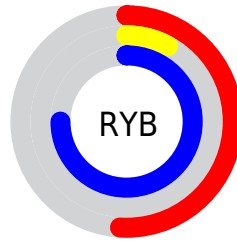
The color can be described as dark washed purple. A complement of this color would be **22.5433, 39.5890, 7.1152**, and the grayscale version is **6.0948, 6.4122, 6.9829**.

A 20% lighter version of the original color is **40.9192, 23.8076, 92.8811**, and **7.1139, 3.1457, 23.8992** is the 20% darker color. If you saturate the color by 10%, you get **17.5450, 7.9586, 50.4808**, and if you desaturate by 10%, it is **20.4057, 10.5073, 50.8220**.

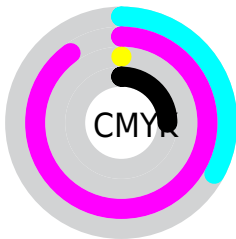
Distribution



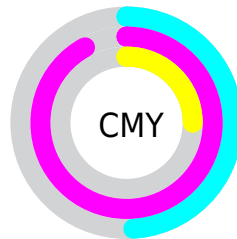
- Red (51%)
- Green (8%)
- Blue (75%)



- Red (51%)
- Yellow (8%)
- Blue (75%)



- Cyan (33%)
- Magenta (90%)
- Yellow (0%)
- Black (25%)



- Cyan (49%)
- Magenta (92%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.8178, 8.9732, 50.6094 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 18.8178, 8.9732, 50.6094 by changing the saturation by 10% instead.


 18.8178, 8.9732,
50.6094


 18.8178, 8.9732,
50.6094


238.3985,
183.1778, 405.8474


 11.6419, 4.7237,
35.5233


 40.9453, 23.8454,
92.4827


 6.5708, 2.0861,
23.7795


 56.6275, 35.2368,
120.1070

 3.2391, 0.6568,
14.9594


 75.8760, 49.7778,
152.7478

 1.2814, 0.0000,
8.6446

 99.0560, 67.8525,
190.8235

 0.1693, 0.0000,
4.4165

 126.5329, 89.8455,
234.7528

 0.0000, 0.0000,
1.8565

 158.6721,

 0.0000, 0.0000,

116.1411, 284.9542

0.4648

195.8388,
147.1238, 341.8462

■ 0.0000, 0.0000,
0.0000

■ 18.8178, 8.9732,
50.6094

■ 18.8178, 8.9732,
50.6094

■ 17.5450, 7.9586,
50.4808

■ 20.4057, 10.5073,
50.8220

■ 17.4947, 7.9198,
50.4760

■ 22.3872, 12.7183,
51.1443

■ 24.8067, 15.6917,
51.5907

■ 27.7014, 19.5001,
52.1733

■ 31.1040, 24.2072,
52.9025

■ 35.0442, 29.8704,
53.7879

■ 39.5494, 36.5422,
54.8383

■ 44.6447, 44.2714,
56.0616

■ 50.3536, 53.1034,
57.4655

Harmonies

Analogous

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



11.8340, 8.9732, 79.3080



18.8178, 8.9732, 50.6094



23.7790, 8.9732, 19.3171

Triad

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



18.8178, 8.9732, 50.6094



11.4150, 8.9732, 0.0000



1.8066, 8.9732, 20.8959

Complementary

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



18.8178, 8.9732, 50.6094



22.5433, 39.5890, 7.1152

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.



1.7744, 8.9732, 4.0383



18.8178, 8.9732, 50.6094



5.9045, 8.9732, 0.0000

Square

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



18.8178, 8.9732, 50.6094



18.3981, 8.9732, 0.0000



2.9022, 8.9732, 0.0000



3.0255, 8.9732, 52.7790

Rectangle

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



18.8178, 8.9732, 50.6094



24.3062, 8.9732, 6.9184



2.9022, 8.9732, 0.0000



1.6832, 8.9732, 13.3147

Sweetspot

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



18.8183, 8.9735, 50.6096



65.1647, 56.5645, 97.8438



12.9015, 10.1515, 51.1489



13.4127, 11.3056, 20.8606



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.



18.8183, 8.9735, 50.6096



31.4129, 14.2024, 91.4460



29.1563, 14.5740, 38.8456



10.1280, 10.0572, 12.6922



11.8600, 5.3745, 33.9689



0.5861, 0.2702, 1.4711

Inverse Universe

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



23.5499, 12.3314, 9.3226



41.2998, 21.0701, 11.9083



19.5731, 38.0221, 8.5867



10.2223, 10.1375, 11.2611



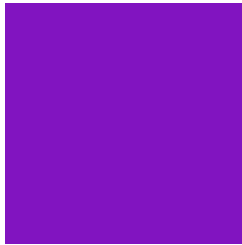
15.4128, 7.8549, 4.8199



0.6992, 0.3527, 0.3836

Previews

White Background



This preview shows how the XYZ color 18.8178, 8.9732, 50.6094 looks on a white background.

Color Contrast Check

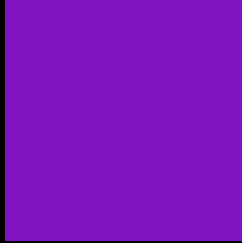
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8178, 8.9732, 50.6094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

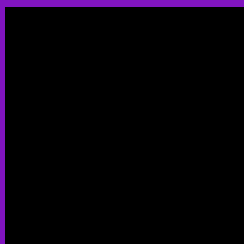
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.8178, 8.9732, 50.6094

Background



This preview shows how black text looks on a background with the XYZ color 18.8178, 8.9732, 50.6094.



This preview shows how white text looks on a background with the XYZ color 18.8178, 8.9732,

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

18.8178, 8.9732, 50.6094

Protanopia

10.7332, 9.2425, 41.2627

Deuteranopia

9.0756, 9.2138, 30.5783



Tritanopia

10.4835, 9.1682, 9.1997

Trichromacy



Original Color

18.8178, 8.9732, 50.6094



Protanomaly

11.1286, 7.1723, 44.5139



Deuteranomaly

9.8327, 6.9125, 36.8924



Tritanomaly

12.1295, 7.9465, 19.3069

Monochromacy



Original Color

18.8178, 8.9732, 50.6094



Achromatopsia

6.1596, 6.4803, 7.0571



Achromatomaly

8.9397, 6.1343, 17.2359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8178, 8.9732, 50.6094 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(129, 20, 192)` looks like.

```
.text, #text, p{  
    color:rgb(129, 20, 192)  
}
```

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(129, 20, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 20, 192) }
```

Border

The CSS property to change the border of an element to XYZ 18.8178, 8.9732, 50.6094 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(129, 20, 192) }
```


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

```
.border{ border-color:rgb(129, 20, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 20, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 20, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 20, 192);  
box-shadow:4px 4px 4px 4px rgb(129, 20,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8178, 8.9732, 50.6094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 20, 192) }
```

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

```
.background{ background-color: rgb(129, 20,  
192) }
```

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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