

Converting Colors

XYZ(18.8045, 8.9457, 50.6049)

Have a look what the booklet for
XYZ(18.8045, 8.9457, 50.6049)
contains.

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Color

**XYZ(18.8006, 8.9386,
50.6036)**

Conversions

Conversions Part 1

Format	Color
Hex	8113C0
RGB	129, 19, 192
RGB Percent	51%, 7%, 75%
CMY	0.4941, 0.9255, 0.2471
CMYK	0.33, 0.90, 0.00, 0.25
HSL	278°, 82%, 41%
HSV	278°, 90%, 75%
XYZ	18.8006, 8.9386, 50.6036
YIQ	71.6120, 10.0270, 77.1230

Conversions

Conversions Part 2

Format	Color
R_{YB}	129, 19, 192
Decimal	8459200
CIE _{Lab}	35.87, 67.77, -65.49
CIE _{LCh}	36, 94.245, 315.977
Yxy	8.9386, 0.2400, 0.1141
Android (android.graphics.Color)	4286649280 (0xFF8113C0)
YUV	71.6120, 59.3513, 50.3293
Hunter-Lab	29.8975, 59.9265, -79.4242

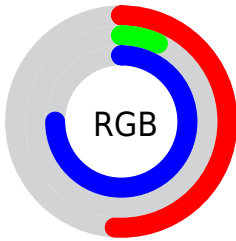
Details

The XYZ color **18.8006, 8.9386, 50.6036** is a dark color, and the websafe version is hex **9900CC**.

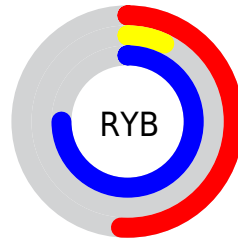
The color can be described as dark washed purple. A complement of this color would be **22.4466, 39.5401, 7.0650**, and the grayscale version is **5.9943, 6.3064, 6.8677**.

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 **17.5525, 7.9496, 50.4787**, and if you desaturate by 10%, it is **20.3665, 10.4386, 50.8108**.

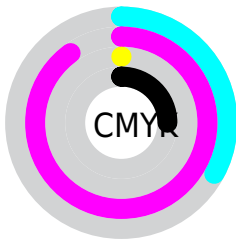
Distribution



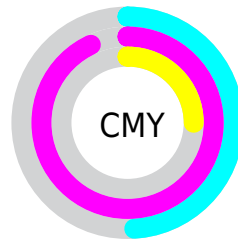
- Red (51%)
- Green (7%)
- Blue (75%)



- Red (51%)
- Yellow (7%)
- Blue (75%)



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



- Cyan (49%)
- Magenta (93%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8006, 8.9386, 50.6036 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 18.8006, 8.9386, 50.6036 by changing the saturation by 10% instead.

■ 18.8006, 8.9386,
50.6036

■ 18.8006, 8.9386,
50.6036

238.3050,
182.9192, 405.8242

■ 11.6294, 4.7012,
35.5187

■ 40.9164, 23.7790,
92.4740

■ 6.5623, 2.0730,
23.7760

■ 56.5917, 35.1507,
120.0967

■ 3.2338, 0.6494,
14.9569

■ 75.8324, 49.6693,
152.7356

■ 1.2786, 0.0000,
8.6428

■ 99.0040, 67.7191,
190.8095

■ 0.1671, 0.0000,
4.4153

■ 126.4716, 89.6847,
234.7367

■ 0.0000, 0.0000,
1.8558

■ 158.6008,

■ 0.0000, 0.0000,

115.9502, 284.9359

0.4644

195.7568,
146.9003, 341.8255

■ 0.0000, 0.0000,
0.0000

■ 18.8006, 8.9386,
50.6036

■ 18.8006, 8.9386,
50.6036

■ 17.5525, 7.9496,
50.4787

■ 20.3665, 10.4386,
50.8108

■ 22.3228, 12.6101,
51.1268

■ 24.7140, 15.5396,
51.5662

■ 27.5777, 19.3000,
52.1411

■ 30.9469, 23.9555,
52.8622

■ 34.8514, 29.5638,
53.7389

■ 39.3185, 36.1776,
54.7800

■ 44.3734, 43.8459,
55.9937

■ 50.0399, 52.6141,
57.3875

Harmonies

Analogous

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



11.8098, 8.9386, 79.4126



18.8006, 8.9386, 50.6036



23.7652, 8.9386, 19.2552

Triad

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



18.8006, 8.9386, 50.6036



11.3744, 8.9386, 0.0000



1.7871, 8.9386, 20.8974

Complementary

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



18.8006, 8.9386, 50.6036



22.4466, 39.5401, 7.0650

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.



1.7538, 8.9386, 4.0183



18.8006, 8.9386, 50.6036



5.8683, 8.9386, 0.0000

Square

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



18.8006, 8.9386, 50.6036



18.3640, 8.9386, 0.0000



2.8752, 8.9386, 0.0000



3.0028, 8.9386, 52.8637

Rectangle

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



18.8006, 8.9386, 50.6036



24.2887, 8.9386, 6.8671



2.8752, 8.9386, 0.0000



1.6639, 8.9386, 13.3014

Sweetspot

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



18.8011, 8.9389, 50.6038



65.2096, 56.5876, 97.8459



12.8331, 10.0443, 51.1317



13.4234, 11.3111, 20.8611



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.



18.8011, 8.9389, 50.6038



31.5181, 14.2567, 91.4509



29.1264, 14.5343, 38.7737



10.1301, 10.0582, 12.6923



11.8988, 5.3945, 33.9707



0.5876, 0.2709, 1.4712

Inverse Universe

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



23.4940, 12.2814, 9.1142



41.2768, 21.0608, 11.7870



19.5374, 38.0055, 8.5028



10.2214, 10.1372, 11.2564



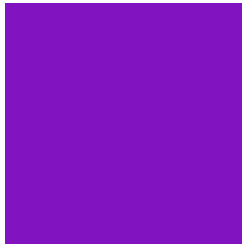
15.4040, 7.8514, 4.7735



0.6988, 0.3525, 0.3813

Previews

White Background



This preview shows how the XYZ color 18.8006, 8.9386, 50.6036 looks on a white background.

Color Contrast Check

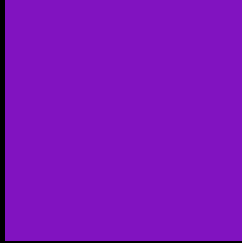
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8006, 8.9386, 50.6036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

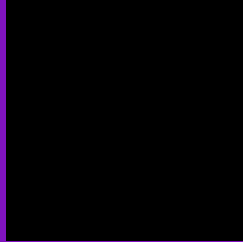
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.8006, 8.9386, 50.6036

Background



This preview shows how black text looks on a background with the XYZ color 18.8006, 8.9386, 50.6036.



This preview shows how white text looks on a background with the XYZ color 18.8006, 8.9386,

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

18.8006, 8.9386, 50.6036

Protanopia

10.7332, 9.2425, 41.2627

Deuteranopia

9.0756, 9.2138, 30.5783



Tritanopia

10.4141, 9.0293, 9.1766

Trichromacy



Original Color

18.8006, 8.9386, 50.6036



Protanomaly

11.1286, 7.1723, 44.5139



Deuteranomaly

9.8327, 6.9125, 36.8924



Tritanomaly

12.0815, 7.8505, 19.2909

Monochromacy



Original Color

18.8006, 8.9386, 50.6036



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 18.8006, 8.9386, 50.6036 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, 19, 192)` looks like.

```
.text, #text, p{  
    color:rgb(129, 19, 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, 19, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 19, 192) }
```

Border

The CSS property to change the border of an element to XYZ 18.8006, 8.9386, 50.6036 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, 19, 192) }
```


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

```
.border{ border-color:rgb(129, 19, 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, 19, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 19, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 19, 192);  
box-shadow:4px 4px 4px 4px rgb(129, 19,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8006, 8.9386, 50.6036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 19, 192) }
```

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

```
.background{ background-color: rgb(129, 19,  
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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