

Converting Colors

XYZ(18.5449, 8.6212, 46.5862)

Have a look what the booklet for
XYZ(18.5449, 8.6212, 46.5862)
contains.

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Color

**XYZ(18.4841, 8.5979,
46.5843)**

Conversions

Conversions Part 1

Format	Color
Hex	8505B9
RGB	133, 5, 185
RGB Percent	52%, 2%, 73%
CMY	0.4784, 0.9804, 0.2745
CMYK	0.28, 0.97, 0.00, 0.27
HSL	283°, 95%, 37%
HSV	283°, 97%, 73%
XYZ	18.4841, 8.5979, 46.5843
YIQ	63.7920, 18.5080, 83.1160

Conversions

Conversions Part 2

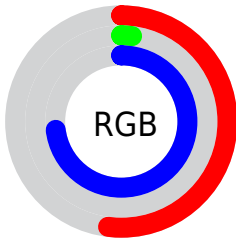
Format	Color
R_{YB}	133, 5, 185
Decimal	8717753
CIE _{Lab}	35.20, 69.00, -62.43
CIE _{LCh}	35, 93.052, 317.862
Yxy	8.5979, 0.2509, 0.1167
Android (android.graphics.Color)	4286907833 (0xFF8505B9)
YUV	63.7920, 59.7555, 60.6954
Hunter-Lab	29.3222, 61.2089, -73.6688

Details

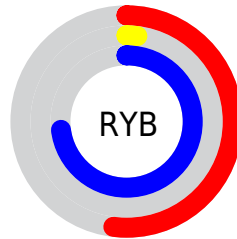
The XYZ color **18.4841, 8.5979, 46.5843** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **19.0640, 35.5790, 6.0064**, and the grayscale version is **4.7547, 5.0024, 5.4476**.

A 20% lighter version of the original color is **40.3089, 23.0791, 86.3346**, and **6.9984, 3.1345, 21.7089** is the 20% darker color. If you saturate the color by 10%, you get **18.2034, 8.3726, 46.5558**, and if you desaturate by 10%, it is **19.6122, 9.5688, 46.7124**.

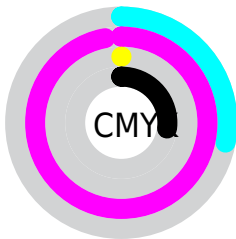
Distribution



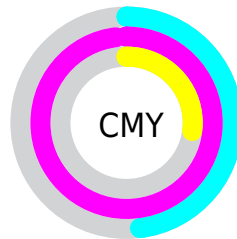
- Red (52%)
- Green (2%)
- Blue (73%)



- Red (52%)
- Yellow (2%)
- Blue (73%)



- Cyan (28%)
- Magenta (97%)
- Yellow (0%)
- Black (27%)



- Cyan (48%)
- Magenta (98%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4841, 8.5979, 46.5843 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 18.4841, 8.5979, 46.5843 by changing the saturation by 10% instead.

18.4841, 8.5979,
46.5843

18.4841, 8.5979,
46.5843

236.5789,
180.3492, 389.4984

11.3999, 4.4799,
32.3552

40.3842, 23.1225,
86.4363

6.4057, 1.9454,
21.3659

55.9307, 34.2978,
112.8961

3.1363, 0.5755,
13.1979

75.0288, 48.5944,
144.2700

1.2263, 0.0000,
7.4326

98.0437, 66.3966,
180.9765

0.1270, 0.0000,
3.6516

125.3408, 88.0887,
223.4340

0.0000, 0.0000,
1.4362

157.2854,

0.0000, 0.0000,

114.0553, 272.0611

0.1697

194.2430,
144.6807, 327.2764

0.0000, 0.0000,
0.0000

18.4841, 8.5979,
46.5843

18.4841, 8.5979,
46.5843

18.2034, 8.3726,
46.5558

19.6122, 9.5688,
46.7124

21.0329, 11.0607,
46.9255

22.8004, 13.1807,
47.2415

24.9523, 16.0030,
47.6729

27.5208, 19.5912,
48.2301

■ 30.5345, 24.0017,
48.9226

■ 34.0193, 29.2854,
49.7588

■ 37.9990, 35.4892,
50.7465

■ 42.4957, 42.6564,
51.8929

Harmonies

Analogous

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



11.7705, 8.5979, 75.2679



18.4841, 8.5979, 46.5843



23.0169, 8.5979, 17.0685

Triad

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



18.4841, 8.5979, 46.5843



10.5441, 8.5979, 0.0000



1.7534, 8.5979, 21.6949

Complementary

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



18.4841, 8.5979, 46.5843



19.0640, 35.5790, 6.0064

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.



1.6594, 8.5979, 4.4144



18.4841, 8.5979, 46.5843



5.3937, 8.5979, 0.0000

Square

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



18.4841, 8.5979, 46.5843



17.2547, 8.5979, 0.0000



2.6535, 8.5979, 0.0000



3.0135, 8.5979, 52.9468

Rectangle

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



18.4841, 8.5979, 46.5843



23.2851, 8.5979, 5.8679



2.6535, 8.5979, 0.0000



1.6136, 8.5979, 14.0232

Sweetspot

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



18.4846, 8.5982, 46.5845



59.4933, 50.2493, 88.7680



10.3838, 6.6635, 46.6380



12.2503, 9.9587, 18.9982



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.



18.4846, 8.5982, 46.5845



32.3595, 14.8702, 83.3693



25.4869, 12.5930, 29.5218



9.1213, 9.0289, 11.3414



12.4697, 5.7396, 31.7037



0.4976, 0.2322, 1.1203

Inverse Universe

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



20.8006, 10.7184, 4.8440



36.9152, 18.9055, 7.3739



17.8120, 34.8905, 7.8940



9.1085, 9.0538, 9.9186



14.0958, 7.2121, 3.1253



0.5247, 0.2653, 0.2563

Previews

White Background



This preview shows how the XYZ color 18.4841, 8.5979, 46.5843 looks on a white background.

Color Contrast Check

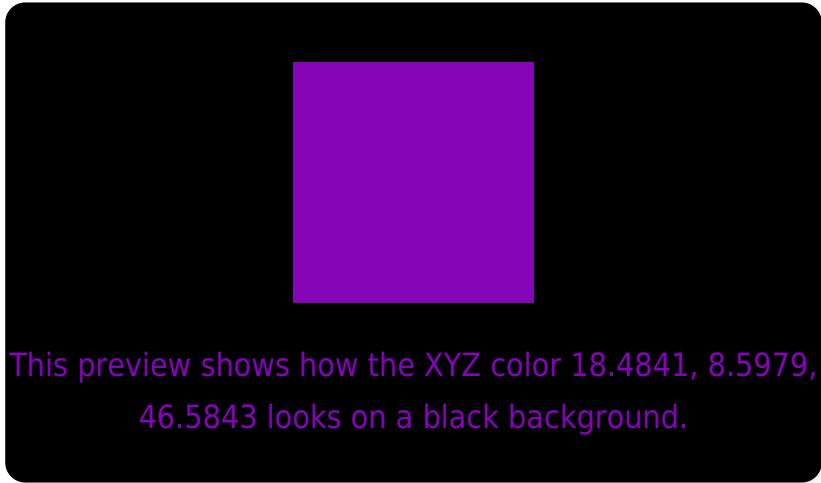
Large Text (above 18pt) WCAG AA ✓ Pass

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

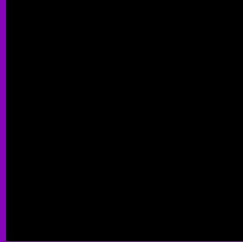
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.4841, 8.5979, 46.5843

Background



This preview shows how black text looks on a background with the XYZ color 18.4841, 8.5979, 46.5843.



This preview shows how white text looks on a background with the XYZ color 18.4841, 8.5979,

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

18.4841, 8.5979, 46.5843

Protanopia

10.4637, 9.0131, 40.2179

Deuteranopia

8.9132, 9.0184, 30.1251



Tritanopia

10.7627, 8.8296, 8.3448

Trichromacy



Original Color

18.4841, 8.5979, 46.5843

Protanomaly

10.4739, 6.4410, 42.2862

Deuteranomaly

9.2929, 6.1990, 35.3571

Tritanomaly

12.2939, 7.5358, 17.6362

Monochromacy



Original Color

18.4841, 8.5979, 46.5843

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

7.6905, 4.9343, 14.7344

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4841, 8.5979, 46.5843 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(133, 5, 185)` looks like.

```
.text, #text, p{  
    color:rgb(133, 5, 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(133, 5, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 5, 185) }
```

Border

The CSS property to change the border of an element to XYZ 18.4841, 8.5979, 46.5843 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(133, 5, 185) }
```


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

```
.border{ border-color:rgb(133, 5, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 5, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 5, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 5, 185);  
box-shadow:4px 4px 4px 4px rgb(133, 5,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4841, 8.5979, 46.5843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 5, 185) }
```

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

```
.background{ background-color: rgb(133, 5,  
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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