

Converting Colors

XYZ(19.4123, 9.0131, 45.8462)

Have a look what the booklet for
XYZ(19.4123, 9.0131, 45.8462)
contains.

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Color

**XYZ(19.4669, 9.0361,
46.0655)**

Conversions

Conversions Part 1

Format	Color
Hex	8C00B8
RGB	140, 0, 184
RGB Percent	55%, 0%, 72%
CMY	0.4510, 1.0000, 0.2784
CMYK	0.24, 1.00, 0.00, 0.28
HSL	286°, 100%, 36%
HSV	286°, 100%, 72%
XYZ	19.4669, 9.0361, 46.0655
YIQ	62.8360, 24.3760, 86.9040

Conversions

Conversions Part 2

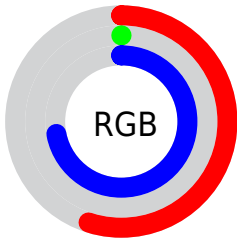
Format	Color
R_{YB}	140, 0, 184
Decimal	9175224
CIE _{Lab}	36.05, 70.36, -60.39
CIE _{LCh}	36, 92.725, 319.358
Yxy	9.0361, 0.2611, 0.1212
Android (android.graphics.Color)	4287365304 (0xFF8C00B8)
YUV	62.8360, 59.7339, 67.6728
Hunter-Lab	30.0601, 62.9913, -69.8167

Details

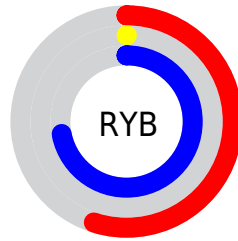
The XYZ color **19.4669, 9.0361, 46.0655** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **18.1794, 34.8167, 5.7623**, and the grayscale version is **4.6140, 4.8543, 5.2864**.

A 20% lighter version of the original color is **41.9619, 23.9486, 85.6300**, and **7.5965, 3.4507, 21.3848** is the 20% darker color. If you saturate the color by 10%, you get **19.4671, 9.0362, 46.0657**, and if you desaturate by 10%, it is **20.4466, 9.8721, 46.1754**.

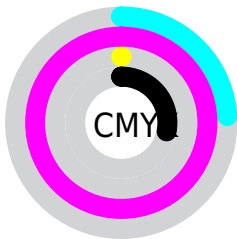
Distribution



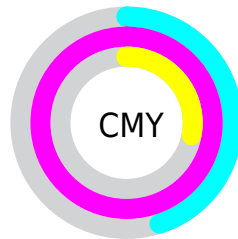
- Red (55%)
- Green (0%)
- Blue (72%)



- Red (55%)
- Yellow (0%)
- Blue (72%)



- Cyan (24%)
- Magenta (100%)
- Yellow (0%)
- Black (28%)




- Cyan (45%)
- Magenta (100%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.4669, 9.0361, 46.0655 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 19.4669, 9.0361, 46.0655 by changing the saturation by 10% instead.


 19.4669, 9.0361,
46.0655


 19.4669, 9.0361,
46.0655


241.9033,
183.6470, 387.3571


 12.1141, 4.7647,
31.9485


 42.0324, 23.9660,
85.6523


 6.8942, 2.1099,
21.0577


 57.9758, 35.3933,
111.9592


 3.4418, 0.6702,
12.9745


 77.5135, 49.9747,
143.1665

 1.3915, 0.0000,
7.2805

 101.0108, 68.0946,
179.6926

 0.2501, 0.0000,
3.5570

 128.8331, 90.1373,
221.9562

 0.0000, 0.0000,
1.3856

 161.3457,

 0.0000, 0.0000,

116.4874, 270.3758

0.1305

198.9139,
147.5291, 325.3700

0.0000, 0.0000,
0.0000

19.4669, 9.0361,
46.0655

19.4669, 9.0361,
46.0655

19.4671, 9.0362,
46.0657

20.4466, 9.8721,
46.1754

21.6656, 11.1427,
46.3564

23.2027, 13.0046,
46.6348

25.0966, 15.5345,
47.0233

27.3800, 18.7975,
47.5327

■ 30.0817, 22.8507,
48.1727

■ 33.2278, 27.7456,
48.9517

■ 36.8419, 33.5294,
49.8776

■ 40.9461, 40.2454,
50.9576

Harmonies

Analogous

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



12.6237, 9.0361, 75.7678



19.4669, 9.0361, 46.0655



23.8795, 9.0361, 16.6130

Triad

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



19.4669, 9.0361, 46.0655



10.7088, 9.0361, 0.0000



1.9504, 9.0361, 23.8044

Complementary

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



19.4669, 9.0361, 46.0655



18.1794, 34.8167, 5.7623

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.



1.7986, 9.0361, 5.2134



19.4669, 9.0361, 46.0655



5.5204, 9.0361, 0.0000

Square

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



19.4669, 9.0361, 46.0655



17.5583, 9.0361, 0.0000



2.7776, 9.0361, 0.1236



3.3525, 9.0361, 55.8603

Rectangle

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



19.4669, 9.0361, 46.0655



23.9615, 9.0361, 5.6664



2.7776, 9.0361, 0.1236



1.7840, 9.0361, 15.6774

Sweetspot

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



19.4674, 9.0364, 46.0657



59.9264, 49.8106, 88.6605



9.6290, 5.4150, 45.8853



12.3867, 9.9039, 18.9804



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.



19.4674, 9.0364, 46.0657



35.0652, 16.2650, 83.4959



24.3548, 12.0255, 25.0828



9.1654, 9.0516, 11.3435



13.4821, 6.2614, 31.7511



0.5268, 0.2473, 1.1217

Inverse Universe

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



20.2220, 10.3724, 3.3195



36.5799, 18.7714, 5.6080



17.6338, 34.4784, 8.3108



9.0903, 9.0465, 9.8229



13.9604, 7.1579, 2.4123



0.5170, 0.2623, 0.2160

Previews

White Background



This preview shows how the XYZ color 19.4669, 9.0361, 46.0655 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

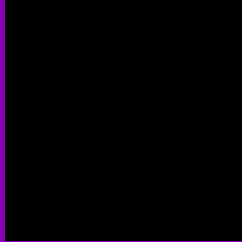
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.4669, 9.0361, 46.0655

Background



This preview shows how black text looks on a background with the XYZ color 19.4669, 9.0361, 46.0655.



This preview shows how white text looks on a background with the XYZ color 19.4669, 9.0361,

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

19.4669, 9.0361, 46.0655

Protanopia

11.2062, 9.5550, 43.3731

Deuteranopia

9.4888, 9.5113, 32.3461



Tritanopia

11.9691, 9.4556, 8.2155

Trichromacy



Original Color

19.4669, 9.0361, 46.0655



Protanomaly

10.8766, 6.5453, 43.8701



Deuteranomaly

9.7113, 6.3832, 36.7966



Tritanomaly

13.3353, 7.9608, 17.3567

Monochromacy



Original Color

19.4669, 9.0361, 46.0655



Achromatopsia

4.7246, 4.9707, 5.4130



Achromatomaly

7.7270, 4.8033, 14.4298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4669, 9.0361, 46.0655 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(140, 0, 184)` looks like.

```
.text, #text, p{  
    color:rgb(140, 0, 184)  
}
```

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(140, 0, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 0, 184) }
```

Border

The CSS property to change the border of an element to XYZ 19.4669, 9.0361, 46.0655 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(140, 0, 184) }
```


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

```
.border{ border-color:rgb(140, 0, 184) }
```

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

Here you see how a box with a 4 pixel rgb(140, 0, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 0, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 0, 184);  
box-shadow:4px 4px 4px 4px rgb(140, 0,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4669, 9.0361, 46.0655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 0, 184) }
```

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

```
.background{ background-color: rgb(140, 0,  
184) }
```

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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