

Converting Colors

XYZ(12.9157, 6.4708, 9.0730)

Have a look what the booklet for
XYZ(12.9157, 6.4708, 9.0730)
contains.

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Color

**XYZ(12.9674, 6.4955,
9.1646)**

Conversions

Conversions Part 1

Format	Color
Hex	8F0055
RGB	143, 0, 85
RGB Percent	56%, 0%, 33%
CMY	0.4392, 0.9999, 0.6667
CMYK	0.00, 1.00, 0.41, 0.44
HSL	324°, 100%, 28%
HSV	324°, 100%, 56%
XYZ	12.9674, 6.4955, 9.1646
YIQ	52.4470, 57.9430, 56.7510

Conversions

Conversions Part 2

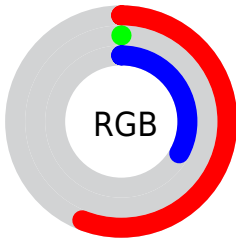
Format	Color
RYB	143, 0, 85
Decimal	9371733
CIELab	30.63, 56.41, -7.25
CIElCh	31, 56.874, 352.673
Yxy	6.4955, 0.4530, 0.2269
Android (android.graphics.Color)	4287561813 (0xFF8F0055)
YUV	52.4470, 16.0486, 79.4150
Hunter-Lab	25.4863, 46.2197, -3.4797

Details

The XYZ color **12.9674, 6.4955, 9.1646** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **10.5868, 19.9507, 7.2980**, and the grayscale version is **3.2948, 3.4664, 3.7750**.

A 20% lighter version of the original color is **30.8431, 18.9319, 24.9503**, and **4.3135, 2.1794, 2.2008** is the 20% darker color. If you saturate the color by 10%, you get **12.9672, 6.4954, 9.1633**, and if you desaturate by 10%, it is **13.3688, 6.9142, 10.4825**.

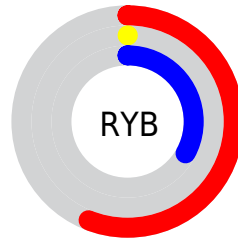
Distribution



Red (56%)

Green (0%)

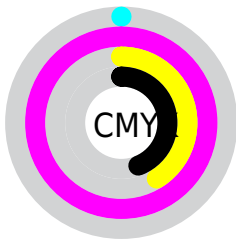
Blue (33%)



Red (56%)

Yellow (0%)

Blue (33%)

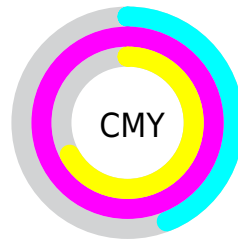


Cyan (0%)

Magenta (100%)

Yellow (41%)

Black (44%)



Cyan (44%)

Magenta (100%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9674, 6.4955, 9.1646 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 12.9674, 6.4955, 9.1646 by changing the saturation by 10% instead.

12.9674, 6.4955,
9.1646

12.9674, 6.4955,
9.1646

204.3505,
163.4033, 194.8642

7.4829, 3.1487,
4.7504

30.8470, 18.9508,
24.7946

3.8149, 1.2098,
2.0454

43.9729, 28.8281,
36.8476

1.5980, 0.0697,
0.5830

60.3766, 41.6510,
52.2838

0.3911, 0.0000,
0.0000


80.4235, 57.8039,
71.5220


0.0000, 0.0000,
0.0000

104.4790, 77.6712,
94.9806


132.9085,

101.6373, 123.0781


 166.0771,
130.0865, 156.2331

 12.9674, 6.4955,
9.1646


 12.9674, 6.4955,
9.1646


 12.9672, 6.4954,
9.1633

 13.3688, 6.9142,
10.4825

 13.8968, 7.5553,
11.9379

 14.6068, 8.5286,
13.5515

 15.5191, 9.8743,
15.3320

 16.6514, 11.6270,
17.2872

■ 18.0191, 13.8172,
19.4242

■ 19.6364, 16.4724,
21.7497

■ 21.5163, 19.6180,
24.2696

■ 23.6707, 23.2775,
26.9898

Harmonies

Analogous

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



11.3495, 6.4955, 20.6362



12.9674, 6.4955, 9.1646



12.3823, 6.4955, 2.7210

Triad

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



12.9674, 6.4955, 9.1646



4.3659, 6.4955, 0.0231



3.5099, 6.4955, 26.9814

Complementary

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



12.9674, 6.4955, 9.1646



10.5868, 19.9507, 7.2980

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.



2.4906, 6.4955, 14.5796



12.9674, 6.4955, 9.1646



2.8736, 6.4955, 1.3170

Square

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



12.9674, 6.4955, 9.1646



6.8666, 6.4955, 0.0000



2.2980, 6.4955, 5.3258



5.5292, 6.4955, 34.8485

Rectangle

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



12.9674, 6.4955, 9.1646



10.8844, 6.4955, 0.9973



2.2980, 6.4955, 5.3258



3.0665, 6.4955, 22.9045

Sweetspot

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



12.9676, 6.4959, 9.1647



34.9649, 29.1666, 38.6712



6.6574, 2.8595, 26.1877



7.7573, 6.2580, 8.4998



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.9676, 6.4959, 9.1647



23.1356, 11.5977, 15.9545



11.4093, 5.8726, 0.9589



5.5349, 5.4745, 6.3148



11.4759, 5.7474, 8.1576



0.1207, 0.0593, 0.1357

Inverse Universe

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



12.9676, 6.4959, 9.1647



23.1356, 11.5977, 15.9545



13.7653, 21.2221, 24.0359



5.5349, 5.4745, 6.3148



11.4759, 5.7474, 8.1576



0.1207, 0.0593, 0.1357

Previews

White Background



This preview shows how the XYZ color 12.9674, 6.4955, 9.1646 looks on a white background.

Color Contrast Check

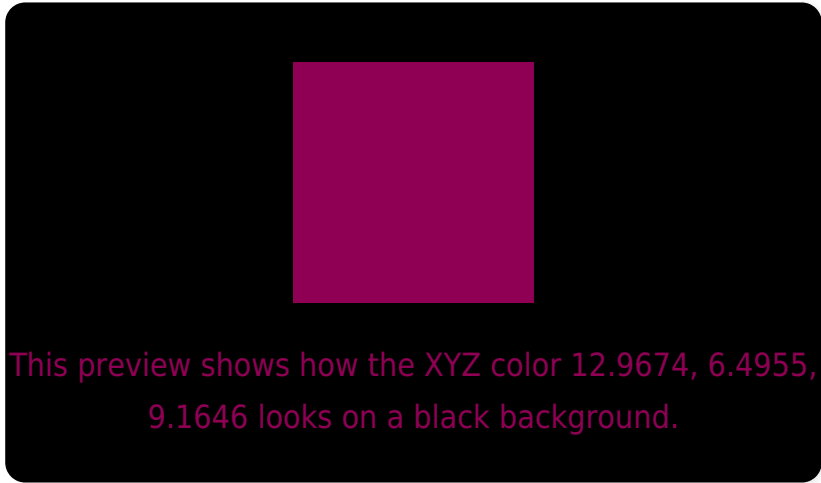
Large Text (above 18pt) WCAG AA ✓ Pass

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

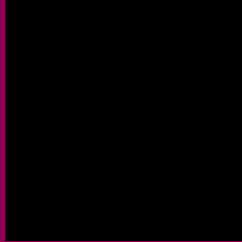
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.9674, 6.4955, 9.1646

Background



This preview shows how black text looks on a background with the XYZ color 12.9674, 6.4955, 9.1646.



This preview shows how white text looks on a background with the XYZ color 12.9674, 6.4955,

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

12.9674, 6.4955, 9.1646

Protanopia

7.6490, 7.1726, 19.3937

Deuteranopia

7.1872, 7.0789, 8.3847



Tritanopia

11.6906, 6.8409, 2.2944

Trichromacy



Original Color

12.9674, 6.4955, 9.1646

Protanomaly

7.8013, 5.2119, 15.0628

Deuteranomaly

8.1711, 5.4911, 8.4138

Tritanomaly

11.9140, 6.4936, 3.9936

Monochromacy



Original Color

12.9674, 6.4955, 9.1646

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.2156, 3.3892, 5.2298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9674, 6.4955, 9.1646 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(143, 0, 85)` looks like.

```
.text, #text, p{  
    color:rgb(143, 0, 85)  
}
```

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(143, 0, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 0, 85) }
```

Border

The CSS property to change the border of an element to XYZ 12.9674, 6.4955, 9.1646 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(143, 0, 85) }
```


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

```
.border{ border-color:rgb(143, 0, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 0, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 0, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 0, 85);  
box-shadow:4px 4px 4px 4px rgb(143, 0, 85)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.9674, 6.4955, 9.1646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 0, 85) }
```

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

```
.background{ background-color: rgb(143, 0,  
85) }
```

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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