

Converting Colors

XYZ(16.9608, 8.1931, 25.6691)

Have a look what the booklet for
XYZ(16.9608, 8.1931, 25.6691)
contains.

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Color

**XYZ(16.9464, 8.1893,
25.4985)**

Conversions

Conversions Part 1

Format	Color
Hex	94008C
RGB	148, 0, 140
RGB Percent	58%, 0%, 55%
CMY	0.4196, 1.0000, 0.4510
CMYK	0.00, 1.00, 0.05, 0.42
HSL	303°, 100%, 29%
HSV	303°, 100%, 58%
XYZ	16.9464, 8.1893, 25.4985
YIQ	60.2120, 43.2680, 74.9160

Conversions

Conversions Part 2

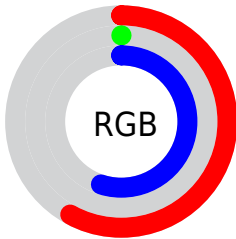
Format	Color
RYB	148, 0, 140
Decimal	9699468
CIELab	34.37, 64.29, -36.43
CIELCh	34, 73.889, 330.464
Yxy	8.1893, 0.3347, 0.1617
Android (android.graphics.Color)	4287889548 (0xFF94008C)
YUV	60.2120, 39.3355, 76.9901
Hunter-Lab	28.6170, 55.6245, -32.7972

Details

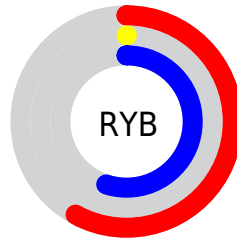
The XYZ color **16.9464, 8.1893, 25.4985** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **10.6341, 21.1978, 3.7612**, and the grayscale version is **4.2680, 4.4903, 4.8900**.

A 20% lighter version of the original color is **37.8451, 22.3246, 53.3534**, and **6.2168, 2.9966, 9.7019** is the 20% darker color. If you saturate the color by 10%, you get **16.9466, 8.1895, 25.4984**, and if you desaturate by 10%, it is **17.1740, 8.5495, 25.8666**.

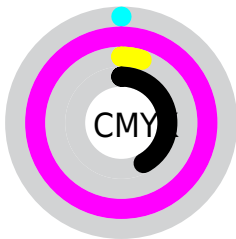
Distribution



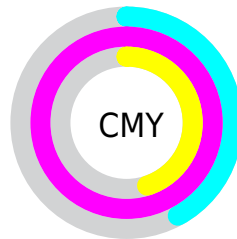
- Red (58%)
- Green (0%)
- Blue (55%)



- Red (58%)
- Yellow (0%)
- Blue (55%)



- Cyan (0%)
- Magenta (100%)
- Yellow (5%)
- Black (42%)



- Cyan (42%)
- Magenta (100%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.9464, 8.1893, 25.4985 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 16.9464, 8.1893, 25.4985 by changing the saturation by 10% instead.

 16.9464, 8.1893,
25.4985


 16.9464, 8.1893,
25.4985


228.0256,
177.2093, 293.8382


 10.2913, 4.2163,
16.2265


 37.7779, 22.3287,
53.4389


 5.6563, 1.7953,
9.5284


 52.6851, 33.2639,
72.9443


 2.6759, 0.4842,
4.9860

 71.0737, 47.2887,
96.6980

 0.9848, 0.0000,
2.1804

 93.3091, 64.7874,
125.1184

 0.0000, 0.0000,
0.6630

 119.7566, 86.1444,
158.6240

 0.0000, 0.0000,
0.0000

 150.7817,

111.7441, 197.6336

186.7495,
141.9710, 242.5654

16.9464, 8.1893,
25.4985

16.9464, 8.1893,
25.4985

16.9466, 8.1895,
25.4984

17.1740, 8.5495,
25.8666

17.5200, 9.1460,
26.2762

18.0417, 10.0932,
26.7465

18.7609, 11.4349,
27.2848

19.6966, 13.2087,
27.8974

■ 20.8651, 15.4475,
28.5897

■ 22.2816, 18.1815,
29.3668

■ 23.9595, 21.4378,
30.2333

■ 25.9118, 25.2419,
31.1933

Harmonies

Analogous

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



12.5475, 8.1893, 46.4332



16.9464, 8.1893, 25.4985



18.7405, 8.1893, 8.7337

Triad

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



16.9464, 8.1893, 25.4985



7.7195, 8.1893, 0.0000



2.7470, 8.1893, 26.1472

Complementary

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



16.9464, 8.1893, 25.4985



10.6341, 21.1978, 3.7612

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.



2.2348, 8.1893, 9.1024



16.9464, 8.1893, 25.4985



4.4100, 8.1893, 0.0000

Square

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



16.9464, 8.1893, 25.4985



12.3949, 8.1893, 0.0000



2.7149, 8.1893, 1.7452



4.4868, 8.1893, 46.9892

Rectangle

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



16.9464, 8.1893, 25.4985



17.8544, 8.1893, 3.0921



2.7149, 8.1893, 1.7452



2.4602, 8.1893, 19.4746

Sweetspot

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



16.9467, 8.1897, 25.4987



39.1497, 31.7617, 51.7279



5.4383, 2.1862, 28.1528



8.7088, 6.8094, 11.6852



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.9467, 8.1897, 25.4987



29.8801, 14.4413, 44.8805



13.2144, 6.6968, 5.8446



6.0219, 5.9038, 7.2216



14.4781, 6.9963, 21.7965



0.1805, 0.0870, 0.2843

Inverse Universe

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



16.9467, 8.1897, 25.4987



29.8801, 14.4413, 44.8805



12.0907, 21.7804, 11.4313



6.0219, 5.9038, 7.2216



14.4781, 6.9963, 21.7965



0.1805, 0.0870, 0.2843

Previews

White Background



This preview shows how the XYZ color 16.9464, 8.1893, 25.4985 looks on a white background.

Color Contrast Check

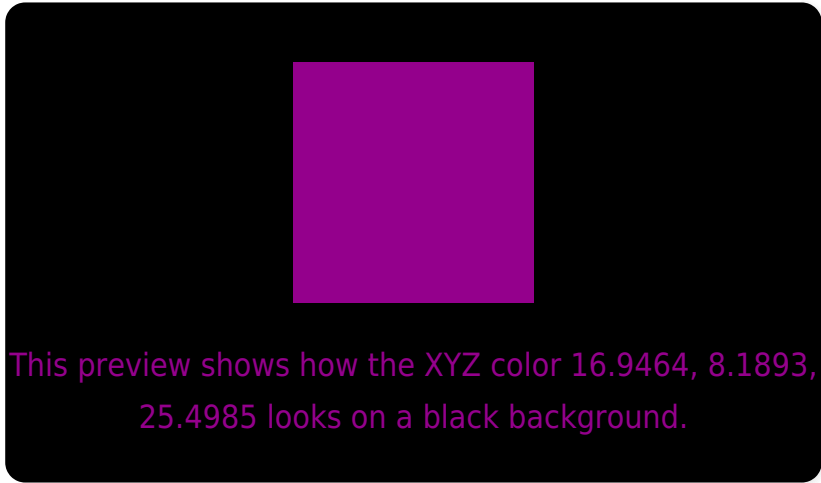
Large Text (above 18pt) WCAG AA ✓ Pass

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

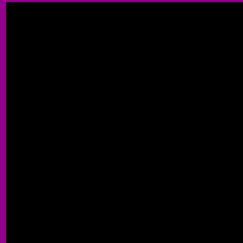
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.9464, 8.1893, 25.4985

Background



This preview shows how black text looks on a background with the XYZ color 16.9464, 8.1893, 25.4985.



This preview shows how white text looks on a background with the XYZ color 16.9464, 8.1893,

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

16.9464, 8.1893, 25.4985

Protanopia

10.2931, 8.8251, 39.6890

Deuteranopia

9.0801, 8.9061, 23.0703



Tritanopia

12.9451, 8.6133, 4.9832

Trichromacy



Original Color

16.9464, 8.1893, 25.4985



Protanomaly

9.0945, 5.7783, 33.8937



Deuteranomaly

9.9607, 6.5196, 23.6551



Tritanomaly

13.6902, 7.7463, 10.0061

Monochromacy



Original Color

16.9464, 8.1893, 25.4985



Achromatopsia

4.2949, 4.5186, 4.9208



Achromatomaly

6.9099, 4.3828, 9.9330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9464, 8.1893, 25.4985 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(148, 0, 140)` looks like.

```
.text, #text, p{  
    color:rgb(148, 0, 140)  
}
```

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(148, 0, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 0, 140) }
```

Border

The CSS property to change the border of an element to XYZ 16.9464, 8.1893, 25.4985 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(148, 0, 140) }
```


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

```
.border{ border-color:rgb(148, 0, 140) }
```

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

Here you see how a box with a 4 pixel rgb(148, 0, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 0, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 0, 140);  
box-shadow:4px 4px 4px 4px rgb(148, 0,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9464, 8.1893, 25.4985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 0, 140) }
```

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

```
.background{ background-color: rgb(148, 0,  
140) }
```

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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