

Converting Colors

XYZ(24.1788, 11.9699, 67.5327)

Have a look what the booklet for
XYZ(24.1788, 11.9699, 67.5327)
contains.

XYZ(24.1317, 11.9605, 67.3664)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.1317, 11.9605,
67.3664)**

Conversions

Conversions Part 1

Format	Color
Hex	8C25DA
RGB	140, 37, 218
RGB Percent	55%, 15%, 85%
CMY	0.4510, 0.8549, 0.1451
CMYK	0.36, 0.83, 0.00, 0.15
HSL	274°, 71%, 50%
HSV	274°, 83%, 85%
XYZ	24.1317, 11.9605, 67.3664
YIQ	88.4310, 3.2870, 78.1270

Conversions

Conversions Part 2

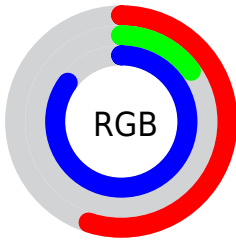
Format	Color
R_{YB}	140, 37, 218
Decimal	9184730
CIE _{Lab}	41.15, 70.26, -71.88
CIE _{LCh}	41, 100.513, 314.345
Yxy	11.9605, 0.2332, 0.1156
Android (android.graphics.Color)	4287374810 (0xFF8C25DA)
YUV	88.4310, 63.8775, 45.2260
Hunter-Lab	34.5840, 64.0303, -91.2828

Details

The XYZ color **24.1317, 11.9605, 67.3664** 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 **32.4752, 53.9212, 10.4465**, and the grayscale version is **9.2345, 9.7154, 10.5801**.

A 20% lighter version of the original color is **46.1441, 28.0487, 97.5896**, and **9.8299, 4.3141, 34.4970** is the 20% darker color. If you saturate the color by 10%, you get **22.1283, 10.2035, 67.1331**, and if you desaturate by 10%, it is **26.6758, 14.5964, 67.7414**.

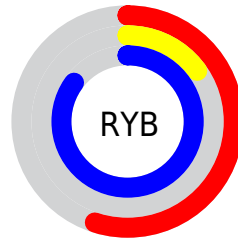
Distribution



Red (55%)

Green (15%)

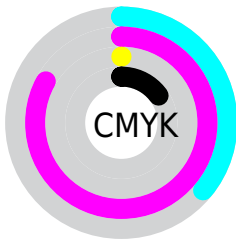
Blue (85%)



Red (55%)

Yellow (15%)

Blue (85%)

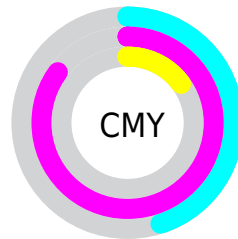


Cyan (36%)

Magenta (83%)

Yellow (0%)

Black (15%)



Cyan (45%)


Magenta (85%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.1317, 11.9605, 67.3664 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 24.1317, 11.9605, 67.3664 by changing the saturation by 10% instead.


 24.1317, 11.9605,
67.3664


 24.1317, 11.9605,
67.3664


265.9138,
204.1436, 469.7848


 15.5566, 6.7168,
48.9190


 49.6981, 29.4231,
117.0909

 9.2998, 3.2856,
34.1901


 67.4202, 42.4109,
149.2051


 4.9959, 1.2826,
22.7611


 88.9220, 58.7487,
186.7119

 2.2796, 0.1277,
14.2136

 114.5688, 78.8211,
230.0299

 0.7842, 0.0000,
8.1289

 144.7260,
103.0124, 279.5777

 0.0000, 0.0000,
4.0886

 179.7590,

 0.0000, 0.0000,

131.7069, 335.7737

1.6741

220.0332,
165.2892, 399.0366

■ 0.0000, 0.0000,
0.3429

■ 0.0000, 0.0000,
0.0000

■ 24.1317, 11.9605,
67.3664

■ 24.1317, 11.9605,
67.3664

■ 22.1283, 10.2035,
67.1331

■ 26.6758, 14.5964,
67.7414

■ 20.9758, 9.3515,
67.0294

■ 29.8246, 18.2372,
68.2781

■ 33.6338, 22.9888,
68.9945

■ 38.1516, 28.9428,
69.9057

43.4210, 36.1813,
71.0251

49.4815, 44.7787,
72.3651

56.3695, 54.8037,
73.9371

64.1190, 66.3203,
75.7516

72.7619, 79.3886,
77.8185

Harmonies

Analogous

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



15.1759, 11.9605, 102.3533



24.1317, 11.9605, 67.3664



30.7201, 11.9605, 27.0081

Triad

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



24.1317, 11.9605, 67.3664



15.5515, 11.9605, 0.0000



2.5138, 11.9605, 25.6018

Complementary

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



24.1317, 11.9605, 67.3664



32.4752, 53.9212, 10.4465

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.



2.5441, 11.9605, 4.9577



24.1317, 11.9605, 67.3664



8.2573, 11.9605, 0.0000

Square

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



24.1317, 11.9605, 67.3664



24.5052, 11.9605, 0.0488



4.1521, 11.9605, 0.0000



4.0382, 11.9605, 65.4574

Rectangle

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



24.1317, 11.9605, 67.3664



31.6532, 11.9605, 10.2311



4.1521, 11.9605, 0.0000



2.3725, 11.9605, 16.2814

Sweetspot

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



24.1324, 11.9609, 67.3667



68.5810, 61.0078, 102.7688



19.5982, 17.8158, 68.7358



14.0144, 12.1124, 21.8492



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



24.1324, 11.9609, 67.3667



29.7474, 13.2503, 95.5974



40.7076, 20.6816, 60.1967



13.0444, 12.9810, 16.4702



12.6921, 5.6672, 40.1633



0.9203, 0.4177, 2.6066

Inverse Universe

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



32.6694, 17.4663, 17.8680



44.0482, 22.3833, 16.7177



26.3902, 50.7586, 11.3196



13.2878, 13.1442, 14.7769



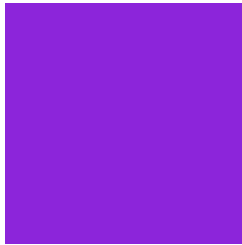
18.5827, 9.4341, 7.4483



1.2465, 0.6282, 0.7071

Previews

White Background



This preview shows how the XYZ color 24.1317, 11.9605, 67.3664 looks on a white background.

Color Contrast Check

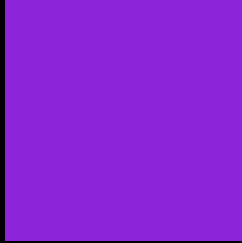
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 24.1317, 11.9605, 67.3664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

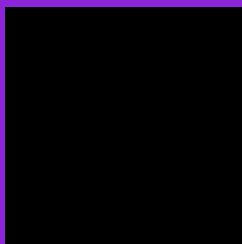
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.1317, 11.9605, 67.3664

Background



This preview shows how black text looks on a background with the XYZ color 24.1317, 11.9605, 67.3664.



This preview shows how white text looks on a background with the XYZ color 24.1317, 11.9605,

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

24.1317, 11.9605, 67.3664

Protanopia

14.1957, 12.0826, 55.0101

Deuteranopia

12.0036, 12.0929, 40.7312



Tritanopia

13.1500, 11.9573, 12.9242

Trichromacy



Original Color

24.1317, 11.9605, 67.3664



Protanomaly

14.7672, 9.8767, 58.8857



Deuteranomaly

13.2044, 9.6857, 49.3177



Tritanomaly

15.5184, 10.7895, 26.4640

Monochromacy



Original Color

24.1317, 11.9605, 67.3664



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

12.5647, 9.1313, 24.0220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1317, 11.9605, 67.3664 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, 37, 218)` looks like.

```
.text, #text, p{  
    color:rgb(140, 37, 218)  
}
```

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, 37, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 37, 218) }
```

Border

The CSS property to change the border of an element to XYZ 24.1317, 11.9605, 67.3664 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, 37, 218) }
```


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

```
.border{ border-color:rgb(140, 37, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 37, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 37, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 37, 218);  
box-shadow:4px 4px 4px 4px rgb(140, 37,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1317, 11.9605, 67.3664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 37, 218) }
```

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

```
.background{ background-color: rgb(140, 37,  
218) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor