

Converting Colors

XYZ(49.6343, 26.1817, 41.3124)

Have a look what the booklet for
XYZ(49.6343, 26.1817, 41.3124)
contains.

XYZ(49.6634, 26.1925, 41.4678)	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(49.6634, 26.1925,
41.4678)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2EAC
RGB	255, 46, 172
RGB Percent	100%, 18%, 67%
CMY	0.0000, 0.8195, 0.3255
CMYK	0.00, 0.82, 0.33, 0.00
HSL	324°, 100%, 59%
HSV	324°, 82%, 100%
XYZ	49.6634, 26.1925, 41.4678
YIQ	122.8550, 84.1180, 83.4940

Conversions

Conversions Part 2

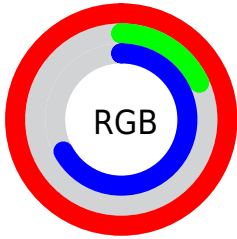
Format	Color
R _Y B	255, 46, 172
Decimal	16723628
CIE Lab	58.22, 82.81, -17.01
CIE LCh	58, 84.537, 348.395
Yxy	26.1925, 0.4233, 0.2232
Android (android.graphics.Color)	4294913708 (0xFFFF2EAC)
YUV	122.8550, 24.2285, 115.8912
Hunter-Lab	51.1786, 83.6527, -12.2151

Details

The XYZ color **49.6634, 26.1925, 41.4678** is a light color, and the websafe version is hex **FF0099**. The color can be described as light washed rose. A complement of this color would be **40.8510, 73.6867, 32.8445**, and the grayscale version is **18.6850, 19.6581, 21.4077**.

A 20% lighter version of the original color is **61.4664, 39.5286, 77.0632**, and **25.3825, 12.6935, 18.8816** is the 20% darker color. If you saturate the color by 10%, you get **48.0097, 24.3829, 36.2991**, and if you desaturate by 10%, it is **51.9830, 29.2152, 47.2246**.

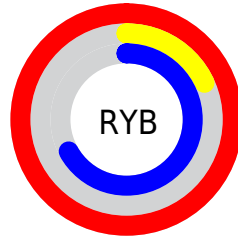
Distribution



Red (100%)

Green (18%)

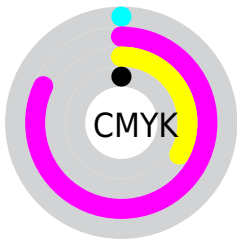
Blue (67%)



Red (100%)

Yellow (18%)

Blue (67%)

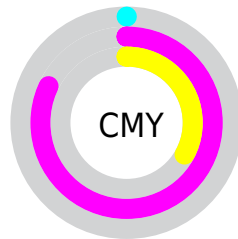


Cyan (0%)

Magenta (82%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (82%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6634, 26.1925, 41.4678 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 49.6634, 26.1925, 41.4678 by changing the saturation by 10% instead.


 49.6634, 26.1925,
41.4678

 49.6634, 26.1925,
41.4678

375.8220,
283.7258, 368.0064


 35.3627, 16.9677,
28.3623


 88.8708, 53.5853,
78.6549


 24.1102, 10.2115,
18.3576


 114.5082, 72.5222,
103.5736


 15.5406, 5.5394,
11.0349


 144.6552, 95.4651,
133.2672

 9.2884, 2.5671,
5.9759

 179.6772,
122.7986, 168.1541

 4.9884, 0.9101,
2.7619

 219.9395,
154.9070, 208.6529

 2.2751, 0.0000,
0.9744

265.8075,

 0.7819, 0.0000,

192.1748, 255.1822

0.0000

317.6465,
234.9862, 308.1605

■ 0.0000, 0.0000,
0.0000

■ 49.6634, 26.1925,
41.4678

■ 49.6634, 26.1925,
41.4678

■ 48.0097, 24.3829,
36.2991

■ 51.9830, 29.2152,
47.2246

■ 47.0498, 23.5839,
32.5239

■ 55.0590, 33.6296,
53.6070

■ 58.9693, 39.5888,
60.6486

■ 63.7808, 47.2244,
68.3792

■ 69.5534, 56.6540,
76.8260

76.3418, 67.9844,
86.0141

84.1964, 81.3142,
95.9672

93.1638, 96.7349,
106.7074

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



42.7602, 26.1925, 84.9195



49.6634, 26.1925, 41.4678



48.7110, 26.1925, 14.1431

Triad

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



49.6634, 26.1925, 41.4678



19.1723, 26.1925, 1.4815



13.9556, 26.1925, 95.0971

Complementary

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



49.6634, 26.1925, 41.4678



40.8510, 73.6867, 32.8445

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.



10.4712, 26.1925, 50.3317



49.6634, 26.1925, 41.4678



12.8619, 26.1925, 5.0446

Square

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



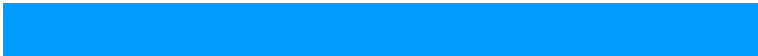
49.6634, 26.1925, 41.4678



29.0802, 26.1925, 1.2532



10.1353, 26.1925, 18.5928



21.1322, 26.1925, 127.4427

Rectangle

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



49.6634, 26.1925, 41.4678



43.7878, 26.1925, 5.8483



10.1353, 26.1925, 18.5928



12.4096, 26.1925, 79.9964

Sweetspot

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



49.6641, 26.1939, 41.4682



74.1635, 64.3260, 83.1356



27.6506, 13.6206, 95.7794



15.3621, 12.9137, 17.1024



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.



49.6641, 26.1939, 41.4682



47.2749, 23.7625, 33.4365



43.3358, 23.6626, 8.1438



18.4693, 18.1710, 21.0883



24.6602, 12.3534, 17.3930



2.4550, 1.2244, 1.9773

Inverse Universe

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



49.6641, 26.1939, 41.4682



47.2749, 23.7625, 33.4365



51.2575, 77.8492, 87.6441



18.4693, 18.1710, 21.0883



24.6602, 12.3534, 17.3930



2.4550, 1.2244, 1.9773

Previews

White Background



This preview shows how the XYZ color 49.6634, 26.1925, 41.4678 looks on a white background.

Color Contrast Check

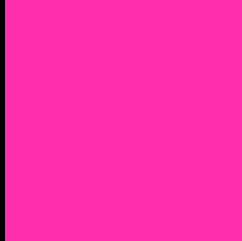
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 49.6634, 26.1925, 41.4678 looks on a black 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

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

XYZ 49.6634, 26.1925, 41.4678

Background



This preview shows how black text looks on a background with the XYZ color 49.6634, 26.1925, 41.4678.



This preview shows how white text looks on a background with the XYZ color 49.6634, 26.1925,

41.4678.

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

49.6634, 26.1925, 41.4678

Protanopia

29.1966, 26.5988, 82.1925

Deuteranopia

26.8803, 26.3938, 37.3960



Tritanopia

43.3143, 26.1977, 10.7564

Trichromacy



Original Color

49.6634, 26.1925, 41.4678



Protanomaly

30.5443, 21.7220, 64.8703



Deuteranomaly

31.5090, 22.8076, 38.3389



Tritanomaly

44.8264, 25.6435, 18.8067

Monochromacy



Original Color

49.6634, 26.1925, 41.4678



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

25.6945, 18.7654, 27.4671

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6634, 26.1925, 41.4678 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(255, 46, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 46, 172)  
}
```

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(255, 46, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 46, 172) }
```

Border

The CSS property to change the border of an element to XYZ 49.6634, 26.1925, 41.4678 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(255, 46, 172) }
```


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

```
.border{ border-color:rgb(255, 46, 172) }
```

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

Here you see how a box with a 4 pixel rgb(255, 46, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 46, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 46, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 46,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6634, 26.1925, 41.4678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 46, 172) }
```

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

```
.background{ background-color: rgb(255, 46,  
172) }
```

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