

Converting Colors

XYZ(49.1893, 25.9967, 38.9905)

Have a look what the booklet for
XYZ(49.1893, 25.9967, 38.9905)
contains.

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Color

**XYZ(49.1920, 26.0040,
38.9858)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2EA7
RGB	255, 46, 167
RGB Percent	100%, 18%, 65%
CMY	0.0000, 0.8195, 0.3451
CMYK	0.00, 0.82, 0.35, 0.00
HSL	325°, 100%, 59%
HSV	325°, 82%, 100%
XYZ	49.1920, 26.0040, 38.9858
YIQ	122.2850, 85.7230, 81.9390

Conversions

Conversions Part 2

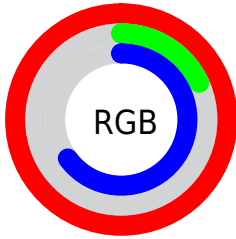
Format	Color
R _{YB}	255, 46, 167
Decimal	16723623
CIE _{Lab}	58.04, 82.30, -14.36
CIE _{LCh}	58, 83.543, 350.101
Y _{xy}	26.0040, 0.4308, 0.2277
Android (android.graphics.Color)	4294913703 (0xFFFF2EA7)
YUV	122.2850, 22.0445, 116.3911
Hunter-Lab	50.9941, 82.9522, -9.6322

Details

The XYZ color **49.1920, 26.0040, 38.9858** 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 **41.1918, 73.8229, 34.6390**, and the grayscale version is **18.5052, 19.4689, 21.2017**.

A 20% lighter version of the original color is **60.6702, 39.0247, 73.4421**, and **25.0868, 12.5753, 17.3247** is the 20% darker color. If you saturate the color by 10%, you get **47.5224, 24.1880, 33.7333**, and if you desaturate by 10%, it is **51.5359, 29.0365, 44.8701**.

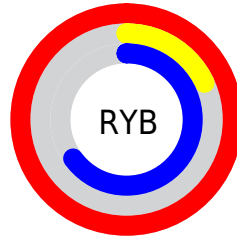
Distribution



Red (100%)

Green (18%)

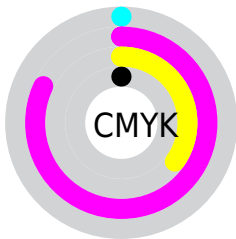
Blue (65%)



Red (100%)

Yellow (18%)

Blue (65%)

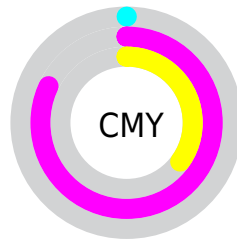


Cyan (0%)

Magenta (82%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (82%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1920, 26.0040, 38.9858 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 49.1920, 26.0040, 38.9858 by changing the saturation by 10% instead.


 49.1920, 26.0040,
38.9858


 49.1920, 26.0040,
38.9858

374.0021,
282.8017, 357.2543


 34.9870, 16.8266,
26.4409


 88.1756, 53.2814,
74.8367


 23.8193, 10.1110,
16.9251


 113.6848, 72.1502,
98.9799


 15.3236, 5.4726,
10.0197


 143.6928, 95.0183,
127.8262

 9.1346, 2.5271,
5.3062

 178.5650,
122.2701, 161.7942

 4.8869, 0.8902,
2.3662

 218.6666,
154.2899, 201.3025

 2.2151, 0.0000,
0.7679

264.3631,

 0.7507, 0.0000,

191.4622, 246.7696

0.0000

316.0199,
234.1713, 298.6140

■ 0.0000, 0.0000,
0.0000

■ 49.1920, 26.0040,
38.9858

■ 49.1920, 26.0040,
38.9858

■ 47.5224, 24.1880,
33.7333

■ 51.5359, 29.0365,
44.8701

■ 46.5554, 23.3862,
29.9209

■ 54.6449, 33.4641,
51.4255

■ 58.5969, 39.4401,
58.6873

■ 63.4595, 47.0962,
66.6868

■ 69.2928, 56.5502,
75.4527

76.1518, 67.9089,
85.0118

84.0868, 81.2710,
95.3890

93.1453, 96.7281,
106.6079

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.



42.7978, 26.0040, 81.0333



49.1920, 26.0040, 38.9858



47.7920, 26.0040, 13.1840

Triad

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



49.1920, 26.0040, 38.9858



18.6274, 26.0040, 1.6211



14.2392, 26.0040, 95.9558

Complementary

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



49.1920, 26.0040, 38.9858



41.1918, 73.8229, 34.6390

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.



10.6020, 26.0040, 52.0378



49.1920, 26.0040, 38.9858



12.6153, 26.0040, 5.5307

Square

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



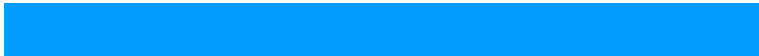
49.1920, 26.0040, 38.9858



28.2053, 26.0040, 1.2700



10.1019, 26.0040, 19.7924



21.5271, 26.0040, 125.9671

Rectangle

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



49.1920, 26.0040, 38.9858



42.7343, 26.0040, 5.4803



10.1019, 26.0040, 19.7924



12.6435, 26.0040, 81.3365

Sweetspot

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



49.1928, 26.0054, 38.9862



73.9506, 64.2408, 82.0143



28.7154, 14.1696, 95.8292



15.3112, 12.8933, 16.8344



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.



49.1928, 26.0054, 38.9862



46.7819, 23.5653, 30.8402



43.1270, 23.5791, 7.0446



18.4503, 18.1634, 20.9884



24.4025, 12.2503, 16.0358



2.4306, 1.2146, 1.8488

Inverse Universe

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



49.1928, 26.0054, 38.9862



46.7819, 23.5653, 30.8402



52.2592, 78.2499, 92.9188



18.4503, 18.1634, 20.9884



24.4025, 12.2503, 16.0358



2.4306, 1.2146, 1.8488

Previews

White Background



This preview shows how the XYZ color 49.1920, 26.0040, 38.9858 looks on a white background.

Color Contrast Check

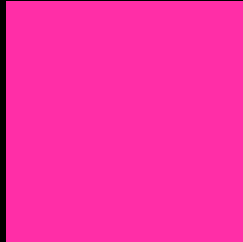
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.1920, 26.0040, 38.9858 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 49.1920, 26.0040, 38.9858

Background



This preview shows how black text looks on a background with the XYZ color 49.1920, 26.0040, 38.9858.



This preview shows how white text looks on a background with the XYZ color 49.1920, 26.0040,

38.9858.

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

49.1920, 26.0040, 38.9858

Protanopia

28.5428, 26.3763, 76.9856

Deuteranopia

26.6590, 26.1196, 35.0890



Tritanopia

43.0993, 25.8878, 10.3147

Trichromacy



Original Color

49.1920, 26.0040, 38.9858



Protanomaly

30.1914, 21.6260, 60.9755



Deuteranomaly

31.4451, 22.6777, 35.9776



Tritanomaly

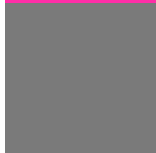
44.5986, 25.4597, 17.8928

Monochromacy



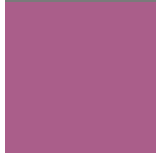
Original Color

49.1920, 26.0040, 38.9858



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

25.1677, 18.3864, 26.2672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1920, 26.0040, 38.9858 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, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 46, 167)  
}
```

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, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 46, 167) }
```

Border

The CSS property to change the border of an element to XYZ 49.1920, 26.0040, 38.9858 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, 167) }
```


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

```
.border{ border-color:rgb(255, 46, 167) }
```

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, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 46, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 46, 167);  
box-shadow:4px 4px 4px 4px rgb(255, 46,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1920, 26.0040, 38.9858 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, 167) }
```

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

```
.background{ background-color: rgb(255, 46,  
167) }
```

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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