

Converting Colors

XYZ(49.8134, 26.4408, 46.2076)

Have a look what the booklet for
XYZ(49.8134, 26.4408, 46.2076)
contains.

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Color

**XYZ(49.6692, 26.3993,
46.1938)**

Conversions

Conversions Part 1

Format	Color
Hex	FC33B5
RGB	252, 51, 181
RGB Percent	99%, 20%, 71%
CMY	0.0118, 0.7999, 0.2902
CMYK	0.00, 0.80, 0.28, 0.01
HSL	321°, 97%, 59%
HSV	321°, 80%, 99%
XYZ	49.6692, 26.3993, 46.1938
YIQ	125.9190, 78.0660, 83.0420

Conversions

Conversions Part 2

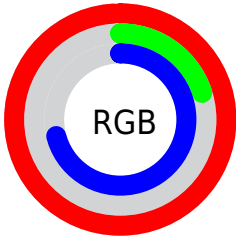
Format	Color
R _Y B	252, 51, 181
Decimal	16528309
CIE Lab	58.41, 81.98, -21.98
CIE LCh	58, 84.880, 344.991
Yxy	26.3993, 0.4063, 0.2159
Android (android.graphics.Color)	4294718389 (0xFFFC33B5)
YUV	125.9190, 27.1549, 110.5730
Hunter-Lab	51.3802, 82.6402, -17.3389

Details

The XYZ color **49.6692, 26.3993, 46.1938** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **39.6903, 71.7307, 30.1708**, and the grayscale version is **19.6984, 20.7242, 22.5687**.

A 20% lighter version of the original color is **63.1229, 40.5681, 84.6242**, and **25.1315, 12.5057, 21.5113** is the 20% darker color. If you saturate the color by 10%, you get **47.9661, 24.4085, 41.2625**, and if you desaturate by 10%, it is **52.0279, 29.6076, 51.6321**.

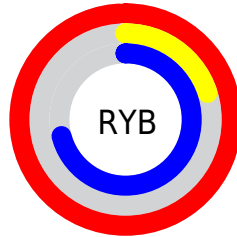
Distribution



Red (99%)

Green (20%)

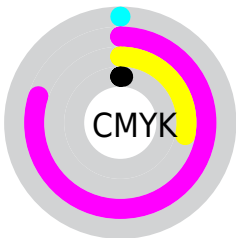
Blue (71%)



Red (99%)

Yellow (20%)

Blue (71%)

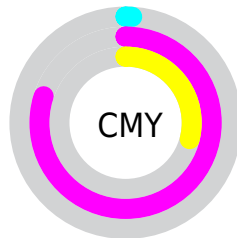


Cyan (0%)

Magenta (80%)

Yellow (28%)

Black (1%)



Cyan (1%)

Magenta (80%)

Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6692, 26.3993, 46.1938 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 49.6692, 26.3993, 46.1938 by changing the saturation by 10% instead.


 49.6692, 26.3993,
46.1938


 49.6692, 26.3993,
46.1938

375.8443,
284.7367, 387.8874


 35.3673, 17.1226,
32.0490


 88.8793, 53.9184,
85.8463


 24.1138, 10.3219,
21.1338


 114.5183, 72.9296,
112.1911


 15.5433, 5.6129,
13.0297


 144.6670, 95.9544,
143.4396

 9.2903, 2.6112,
7.3180

 179.6908,
123.3773, 180.0104

 4.9897, 0.9323,
3.5803

 219.9551,
155.5826, 222.3221

 2.2759, 0.0000,
1.3981

265.8252,

 0.7823, 0.0000,

192.9546, 270.7931

0.1402

317.6665,
235.8779, 325.8421

■ 0.0000, 0.0000,
0.0000

■ 49.6692, 26.3993,
46.1938

■ 49.6692, 26.3993,
46.1938

■ 47.9661, 24.4085,
41.2625

■ 52.0279, 29.6076,
51.6321

■ 46.7801, 23.3602,
36.7859

■ 55.1253, 34.1982,
57.6095

■ 46.7539, 23.3391,
36.6810

■ 59.0339, 40.3148,
64.1557

■ 63.8169, 48.0816,
71.2965

■ 69.5307, 57.6101,
79.0556

76.2269, 69.0021,
87.4548

83.9533, 82.3515,
96.5147

92.7543, 97.7457,
106.2545

93.9550, 99.4355,
108.8488

Harmonies

Analogous

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



41.9745, 26.3993, 90.9115



49.6692, 26.3993, 46.1938



49.6716, 26.3993, 16.3685

Triad

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



49.6692, 26.3993, 46.1938



20.2836, 26.3993, 1.3517



13.4761, 26.3993, 90.8854

Complementary

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



49.6692, 26.3993, 46.1938



39.6903, 71.7307, 30.1708

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.



10.3493, 26.3993, 46.1711



49.6692, 26.3993, 46.1938



13.4789, 26.3993, 4.3311

Square

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



49.6692, 26.3993, 46.1938



30.6119, 26.3993, 1.3522



10.3501, 26.3993, 16.3571



20.2786, 26.3993, 126.5593

Rectangle

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



49.6692, 26.3993, 46.1938



45.2046, 26.3993, 6.8711



10.3501, 26.3993, 16.3571



12.0547, 26.3993, 75.4408

Sweetspot

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



49.6700, 26.4007, 46.1943



75.2497, 65.6596, 86.0836



26.6910, 13.4883, 93.2924



15.5899, 13.1766, 17.7723



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.



49.6700, 26.4007, 46.1943



48.4673, 24.3281, 39.4426



42.8208, 23.6610, 10.1268



17.7174, 17.4143, 20.3678



24.4272, 12.1866, 19.4901



2.3127, 1.1488, 2.0701

Inverse Universe

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



49.6700, 26.4007, 46.1943



48.4673, 24.3281, 39.4426



49.3416, 75.5912, 80.9937



17.7174, 17.4143, 20.3678



24.4272, 12.1866, 19.4901



2.3127, 1.1488, 2.0701

Previews

White Background



This preview shows how the XYZ color 49.6692, 26.3993, 46.1938 looks on a white background.

Color Contrast Check

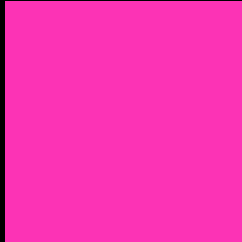
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.6692, 26.3993, 46.1938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

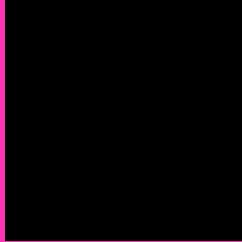
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 49.6692, 26.3993, 46.1938

Background



This preview shows how black text looks on a background with the XYZ color 49.6692, 26.3993, 46.1938.



This preview shows how white text looks on a background with the XYZ color 49.6692, 26.3993,

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

49.6692, 26.3993, 46.1938

Protanopia

29.7890, 26.7501, 89.1812

Deuteranopia

27.1594, 26.6547, 41.7436



Tritanopia

42.5109, 26.3036, 12.0690

Trichromacy



Original Color

49.6692, 26.3993, 46.1938



Protanomaly

30.9677, 22.1078, 71.0417



Deuteranomaly

31.8501, 23.1878, 42.8414



Tritanomaly

44.4775, 25.8681, 21.0612

Monochromacy



Original Color

49.6692, 26.3993, 46.1938



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

26.6634, 19.7697, 29.6047

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6692, 26.3993, 46.1938 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(252, 51, 181)` looks like.

```
.text, #text, p{  
    color:rgb(252, 51, 181)  
}
```

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(252, 51, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 51, 181) }
```

Border

The CSS property to change the border of an element to XYZ 49.6692, 26.3993, 46.1938 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(252, 51, 181) }
```


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

```
.border{ border-color:rgb(252, 51, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 51, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 51, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 51, 181);  
box-shadow:4px 4px 4px 4px rgb(252, 51,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6692, 26.3993, 46.1938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 51, 181) }
```

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

```
.background{ background-color: rgb(252, 51,  
181) }
```

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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