

Converting Colors

XYZ(49.8150, 25.2656, 45.3108)

Have a look what the booklet for
XYZ(49.8150, 25.2656, 45.3108)
contains.

XYZ(49.8476, 25.2941, 45.4350)	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(49.8476, 25.2941,
45.4350)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1AB4
RGB	255, 26, 180
RGB Percent	100%, 10%, 71%
CMY	0.0000, 0.8979, 0.2941
CMYK	0.00, 0.90, 0.29, 0.00
HSL	320°, 100%, 55%
HSV	320°, 90%, 100%
XYZ	49.8476, 25.2941, 45.4350
YIQ	112.0270, 87.0500, 96.4420

Conversions

Conversions Part 2

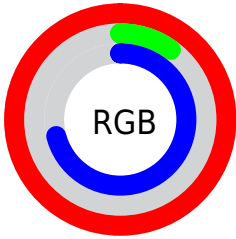
Format	Color
R _Y B	255, 26, 180
Decimal	16718516
CIE Lab	57.36, 87.01, -22.97
CIE LCh	57, 89.987, 345.211
Yxy	25.2941, 0.4134, 0.2098
Android (android.graphics.Color)	4294908596 (0xFFFF1AB4)
YUV	112.0270, 33.5107, 125.3873
Hunter-Lab	50.2932, 88.9052, -18.3574

Details

The XYZ color **49.8476, 25.2941, 45.4350** 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 **38.5372, 72.6802, 24.3173**, and the grayscale version is **15.3008, 16.0977, 17.5303**.

A 20% lighter version of the original color is **61.7429, 38.0413, 83.4454**, and **25.8231, 12.8698, 21.2018** is the 20% darker color. If you saturate the color by 10%, you get **48.6584, 24.2366, 40.9661**, and if you desaturate by 10%, it is **51.5624, 27.3204, 50.3324**.

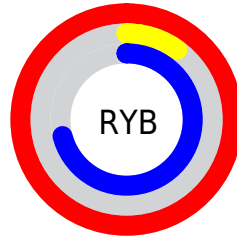
Distribution



Red (100%)

Green (10%)

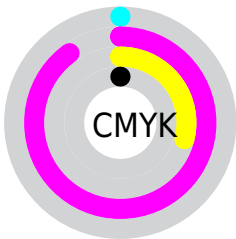
Blue (71%)



Red (100%)

Yellow (10%)

Blue (71%)

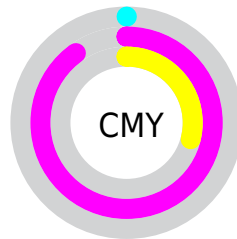


Cyan (0%)

Magenta (90%)

Yellow (29%)

Black (0%)



Cyan (0%)


Magenta (90%)


Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8476, 25.2941, 45.4350 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 49.8476, 25.2941, 45.4350 by changing the saturation by 10% instead.


 49.8476, 25.2941,
45.4350

 49.8476, 25.2941,
45.4350


376.5315,
279.2994, 384.7439

 35.5096, 16.2963,
31.4548


 89.1422, 52.1339,
84.6981


 24.2241, 9.7341,
20.6840


 114.8295, 70.7448,
110.8181


 15.6255, 5.2230,
12.7042


 145.0307, 93.3287,
141.8218

 9.3487, 2.3787,
7.0969

 180.1111,
120.2702, 178.1276

 5.0283, 0.8149,
3.4434

 220.4360,
151.9537, 220.1542

 2.2988, 0.0000,
1.3253

266.3708,

 0.7940, 0.0000,

188.7634, 268.3201

0.0823

318.2808,
231.0839, 323.0438

■ 0.0000, 0.0000,
0.0000

■ 49.8476, 25.2941,
45.4350

■ 49.8476, 25.2941,
45.4350

■ 48.6584, 24.2366,
40.9661

■ 51.5624, 27.3204,
50.3324

■ 48.6360, 24.2184,
40.8766

■ 53.9404, 30.5898,
55.7081

■ 57.0702, 35.2780,
61.5958

■ 61.0256, 41.5313,
68.0245

■ 65.8714, 49.4778,
75.0195

■ 71.6655, 59.2322,
82.6041

■ 78.4608, 70.8991,
90.7999

■ 86.3063, 84.5751,
99.6269

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.



41.7482, 25.2941, 93.1761



49.8476, 25.2941, 45.4350



49.7839, 25.2941, 14.8176

Triad

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



49.8476, 25.2941, 45.4350



19.0480, 25.2941, 0.8434



12.2868, 25.2941, 93.8690

Complementary

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



49.8476, 25.2941, 45.4350



38.5372, 72.6802, 24.3173

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.



9.1764, 25.2941, 46.0225



49.8476, 25.2941, 45.4350



12.2185, 25.2941, 3.4177

Square

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



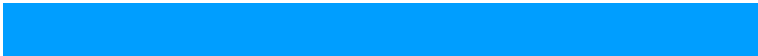
49.8476, 25.2941, 45.4350



29.6701, 25.2941, 0.8314



9.1558, 25.2941, 15.0965



19.1736, 25.2941, 132.4358

Rectangle

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



49.8476, 25.2941, 45.4350



45.0121, 25.2941, 5.6501



9.1558, 25.2941, 15.0965



10.8686, 25.2941, 77.2392

Sweetspot

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



49.8483, 25.2955, 45.4354



73.4597, 62.2927, 84.8299



23.5153, 10.5868, 95.4118



15.2560, 12.5364, 17.5758



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.



49.8483, 25.2955, 45.4354



48.6360, 24.2184, 40.8766



42.6537, 22.4176, 7.5491



18.5248, 18.1932, 21.3806



25.4851, 12.6833, 21.7365



2.5318, 1.2551, 2.3817

Inverse Universe

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



49.8483, 25.2955, 45.4354



48.6360, 24.2184, 40.8766



48.1999, 76.5452, 75.1999



18.5248, 18.1932, 21.3806



25.4851, 12.6833, 21.7365



2.5318, 1.2551, 2.3817

Previews

White Background



This preview shows how the XYZ color 49.8476, 25.2941, 45.4350 looks on a white background.

Color Contrast Check

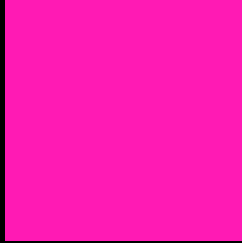
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.8476, 25.2941, 45.4350 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 49.8476, 25.2941, 45.4350

Background



This preview shows how black text looks on a background with the XYZ color 49.8476, 25.2941, 45.4350.



This preview shows how white text looks on a background with the XYZ color 49.8476, 25.2941,

45.4350.

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

49.8476, 25.2941, 45.4350

Protanopia

29.4792, 25.8043, 96.3555

Deuteranopia

26.0484, 25.4735, 40.5898



Tritanopia

42.4997, 25.3898, 9.6819

Trichromacy



Original Color

49.8476, 25.2941, 45.4350



Protanomaly

29.1474, 19.5150, 74.1821



Deuteranomaly

30.3610, 20.8663, 41.4571



Tritanomaly

44.2841, 24.6504, 18.3436

Monochromacy



Original Color

49.8476, 25.2941, 45.4350



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

22.7676, 15.5835, 25.4748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8476, 25.2941, 45.4350 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, 26, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 26, 180)  
}
```

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, 26, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 26, 180) }
```

Border

The CSS property to change the border of an element to XYZ 49.8476, 25.2941, 45.4350 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, 26, 180) }
```


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

```
.border{ border-color:rgb(255, 26, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 26, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 26, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 26, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 26,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8476, 25.2941, 45.4350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 26, 180) }
```

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

```
.background{ background-color: rgb(255, 26,  
180) }
```

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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