

Converting Colors

XYZ(49.5004, 25.1572, 48.0115)

Have a look what the booklet for
XYZ(49.5004, 25.1572, 48.0115)
contains.

XYZ(49.7043, 25.2642, 48.1557)	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(49.7043, 25.2642,
48.1557)**

Conversions

Conversions Part 1

Format	Color
Hex	FD1DB9
RGB	253, 29, 185
RGB Percent	99%, 11%, 73%
CMY	0.0078, 0.8862, 0.2745
CMYK	0.00, 0.89, 0.27, 0.01
HSL	318°, 98%, 55%
HSV	318°, 89%, 99%
XYZ	49.7043, 25.2642, 48.1557
YIQ	113.7600, 83.4280, 96.0040

Conversions

Conversions Part 2

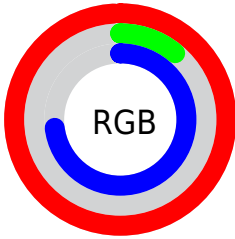
Format	Color
R _Y B	253, 29, 185
Decimal	16588217
CIE _{Lab}	57.33, 86.74, -25.94
CIE _{LCh}	57, 90.541, 343.348
Yxy	25.2642, 0.4037, 0.2052
Android (android.graphics.Color)	4294778297 (0xFFFD1DB9)
YUV	113.7600, 35.1213, 122.1135
Hunter-Lab	50.2635, 88.5530, -21.6192

Details

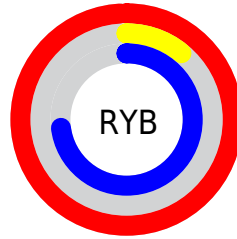
The XYZ color **49.7043, 25.2642, 48.1557** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **37.7918, 71.3759, 23.1011**, and the grayscale version is **15.8077, 16.6309, 18.1111**.

A 20% lighter version of the original color is **62.5858, 38.5482, 87.3610**, and **25.6507, 12.7423, 22.9374** is the 20% darker color. If you saturate the color by 10%, you get **48.5162, 24.1507, 43.8664**, and if you desaturate by 10%, it is **51.4327, 27.3877, 52.8416**.

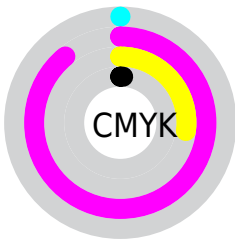
Distribution



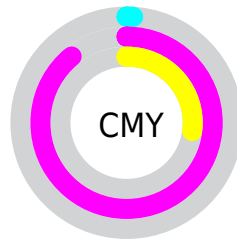
- Red (99%)
- Green (11%)
- Blue (73%)



- Red (99%)
- Yellow (11%)
- Blue (73%)



- Cyan (0%)
- Magenta (89%)
- Yellow (27%)
- Black (1%)



- Cyan (1%)
- Magenta (89%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7043, 25.2642, 48.1557 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 49.7043, 25.2642, 48.1557 by changing the saturation by 10% instead.


 49.7043, 25.2642,
48.1557


 49.7043, 25.2642,
48.1557

375.9796,
279.1511, 395.9355


 35.3953, 16.2740,
33.5893


 88.9310, 52.0855,
88.8041


 24.1355, 9.7183,
22.3035


 114.5795, 70.6854,
115.7233

 15.5594, 5.2126,
13.8796


 144.7386, 93.2573,
147.5971

 9.3018, 2.3725,
7.8992

 179.7735,
120.1857, 184.8442

 4.9972, 0.8117,
3.9437

 220.0498,
151.8548, 227.8830

 2.2804, 0.0000,
1.5945

265.9326,

 0.7846, 0.0000,

188.6492, 277.1321

0.2869

317.7874,
230.9532, 333.0101

■ 0.0000, 0.0000,
0.0000

■ 49.7043, 25.2642,
48.1557

■ 49.7043, 25.2642,
48.1557

■ 48.5162, 24.1507,
43.8664

■ 51.4327, 27.3877,
52.8416

■ 48.3631, 24.0247,
43.2597

■ 53.8174, 30.7528,
57.9656

■ 56.9429, 35.5274,
63.5593

■ 60.8802, 41.8523,
69.6494

■ 65.6917, 49.8511,
76.2598

71.4332, 59.6350,
83.4123

78.1561, 71.3053,
91.1268

85.9077, 84.9559,
99.4222

94.1786, 99.5669,
108.1313

Harmonies

Analogous

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



41.1450, 25.2642, 96.7478



49.7043, 25.2642, 48.1557



50.2060, 25.2642, 15.9961

Triad

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



49.7043, 25.2642, 48.1557



19.5570, 25.2642, 0.7518



11.9158, 25.2642, 91.2827

Complementary

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



49.7043, 25.2642, 48.1557



37.7918, 71.3759, 23.1011

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.



9.0112, 25.2642, 43.5321



49.7043, 25.2642, 48.1557



12.4509, 25.2642, 3.0279

Square

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



49.7043, 25.2642, 48.1557



30.4246, 25.2642, 0.8462



9.1723, 25.2642, 13.8112



18.5719, 25.2642, 131.8561

Rectangle

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



49.7043, 25.2642, 48.1557



45.7038, 25.2642, 6.1320



9.1723, 25.2642, 13.8112



10.5711, 25.2642, 74.4630

Sweetspot

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



49.7051, 25.2656, 48.1561



73.6957, 62.3871, 86.0724



23.0167, 10.4707, 93.7366



15.3120, 12.5588, 17.8708



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.



49.7051, 25.2656, 48.1561



49.2338, 24.4575, 44.0246



42.1782, 22.2548, 8.5198



18.5440, 18.2009, 21.4818



25.7952, 12.8074, 23.3699



2.5602, 1.2665, 2.5315

Inverse Universe

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



49.7051, 25.2656, 48.1561



49.2338, 24.4575, 44.0246



47.0433, 75.0765, 71.8190



18.5440, 18.2009, 21.4818



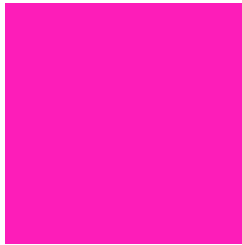
25.7952, 12.8074, 23.3699



2.5602, 1.2665, 2.5315

Previews

White Background



This preview shows how the XYZ color 49.7043, 25.2642, 48.1557 looks on a white background.

Color Contrast Check

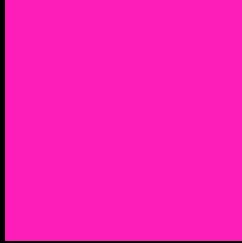
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.7043, 25.2642, 48.1557 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 49.7043, 25.2642, 48.1557

Background



This preview shows how black text looks on a background with the XYZ color 49.7043, 25.2642, 48.1557.



This preview shows how white text looks on a background with the XYZ color 49.7043, 25.2642,

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

49.7043, 25.2642, 48.1557

Protanopia

29.5556, 25.8067, 98.0312

Deuteranopia

25.8797, 25.3316, 43.0606



Tritanopia

41.7580, 25.2994, 10.2718

Trichromacy



Original Color

49.7043, 25.2642, 48.1557



Protanomaly

29.2810, 19.6544, 77.1133



Deuteranomaly

30.2501, 20.8872, 44.0322



Tritanomaly

43.5973, 24.4962, 19.5699

Monochromacy



Original Color

49.7043, 25.2642, 48.1557



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

23.3439, 16.0793, 26.6842

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7043, 25.2642, 48.1557 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(253, 29, 185)` looks like.

```
.text, #text, p{  
    color:rgb(253, 29, 185)  
}
```

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(253, 29, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 29, 185) }
```

Border

The CSS property to change the border of an element to XYZ 49.7043, 25.2642, 48.1557 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(253, 29, 185) }
```


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

```
.border{ border-color:rgb(253, 29, 185) }
```

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

Here you see how a box with a 4 pixel rgb(253, 29, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 29, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 29, 185);  
box-shadow:4px 4px 4px 4px rgb(253, 29,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7043, 25.2642, 48.1557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 29, 185) }
```

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

```
.background{ background-color: rgb(253, 29,  
185) }
```

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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