

Converting Colors

XYZ(54.0821, 27.6516, 44.1358)

Have a look what the booklet for
XYZ(54.0821, 27.6516, 44.1358)
contains.

XYZ(49.6401, 25.3629, 43.8742)	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(49.6401, 25.3629,
43.8742)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1EB1
RGB	255, 30, 177
RGB Percent	100%, 12%, 69%
CMY	0.0000, 0.8822, 0.3059
CMYK	0.00, 0.88, 0.31, 0.00
HSL	321°, 100%, 56%
HSV	321°, 88%, 100%
XYZ	49.6401, 25.3629, 43.8742
YIQ	114.0330, 86.9130, 93.4170

Conversions

Conversions Part 2

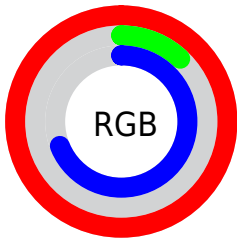
Format	Color
RYB	255, 30, 177
Decimal	16719537
CIELab	57.43, 86.16, -21.12
CIELCh	57, 88.711, 346.225
Yxy	25.3629, 0.4176, 0.2134
Android (android.graphics.Color)	4294909617 (0xFFFF1EB1)
YUV	114.0330, 31.0427, 123.6281
Hunter-Lab	50.3616, 87.8100, -16.3994

Details

The XYZ color **49.6401, 25.3629, 43.8742** 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 **39.0044, 72.8797, 26.2062**, and the grayscale version is **15.9000, 16.7281, 18.2168**.

A 20% lighter version of the original color is **61.4166, 38.0805, 81.2040**, and **25.6304, 12.7927, 20.1871** is the 20% darker color. If you saturate the color by 10%, you get **48.3719, 24.1914, 39.2436**, and if you desaturate by 10%, it is **51.4774, 27.5811, 48.9766**.

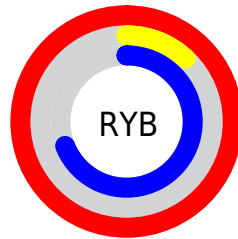
Distribution



Red (100%)

Green (12%)

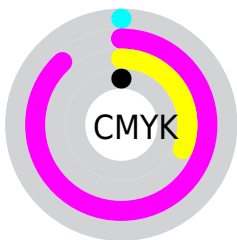
Blue (69%)



Red (100%)

Yellow (12%)

Blue (69%)

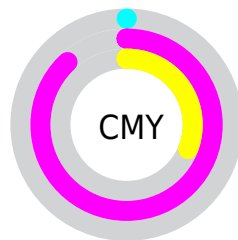


Cyan (0%)

Magenta (88%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (88%)


Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6401, 25.3629, 43.8742 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 49.6401, 25.3629, 43.8742 by changing the saturation by 10% instead.

 49.6401, 25.3629,
43.8742


 49.6401, 25.3629,
43.8742


375.7321,
279.6404, 378.2210

 35.3441, 16.3476,
30.2352


 88.8364, 52.2453,
82.3289

 24.0958, 9.7705,
19.7636


 114.4675, 70.8813,
107.9816

 15.5299, 5.2470,
12.0409


 144.6077, 93.4930,
138.4759

 9.2808, 2.3929,
6.6487

 179.6222,
120.4647, 174.2304

 4.9834, 0.8222,
3.1683

 219.8766,
152.1809, 215.6636

 2.2722, 0.0000,
1.1812

265.7362,

 0.7804, 0.0000,

189.0260, 263.1941

0.0000

317.5662,
231.3844, 317.2404

■ 0.0000, 0.0000,
0.0000

■ 49.6401, 25.3629,
43.8742

■ 49.6401, 25.3629,
43.8742

■ 48.3719, 24.1914,
39.2436

■ 51.4774, 27.5811,
48.9766

■ 48.1772, 24.0349,
38.4607

■ 53.9989, 31.0747,
54.5937

■ 57.2905, 36.0138,
60.7593

■ 61.4246, 42.5417,
67.5026

■ 66.4649, 50.7841,
74.8495

72.4685, 60.8539,
82.8236

79.4879, 72.8545,
91.4471

87.5717, 86.8815,
100.7406

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.



41.9053, 25.3629, 90.3963



49.6401, 25.3629, 43.8742



49.2780, 25.3629, 14.3640

Triad

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



49.6401, 25.3629, 43.8742



18.8750, 25.3629, 0.9672



12.6264, 25.3629, 94.3199

Complementary

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



49.6401, 25.3629, 43.8742



39.0044, 72.8797, 26.2062

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.



9.4116, 25.3629, 47.2192



49.6401, 25.3629, 43.8742



12.2325, 25.3629, 3.7768

Square

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



49.6401, 25.3629, 43.8742



29.2628, 25.3629, 0.8986



9.2923, 25.3629, 15.9706



19.5949, 25.3629, 131.0780

Rectangle

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



49.6401, 25.3629, 43.8742



44.4353, 25.3629, 5.5544



9.2923, 25.3629, 15.9706



11.1730, 25.3629, 78.0900

Sweetspot

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



49.6408, 25.3643, 43.8746



73.9405, 63.3532, 84.6852



24.3428, 11.1543, 95.4777



15.3404, 12.7361, 17.5087



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.



49.6408, 25.3643, 43.8746



48.1772, 24.0349, 38.4607



42.7338, 22.6015, 7.5029



18.5095, 18.1871, 21.2999



25.2468, 12.5880, 20.4818



2.5098, 1.2463, 2.2658

Inverse Universe

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



49.6408, 25.3643, 43.8746



48.1772, 24.0349, 38.4607



48.8863, 76.8325, 78.2438



18.5095, 18.1871, 21.2999



25.2468, 12.5880, 20.4818



2.5098, 1.2463, 2.2658

Previews

White Background



This preview shows how the XYZ color 49.6401, 25.3629, 43.8742 looks on a white background.

Color Contrast Check

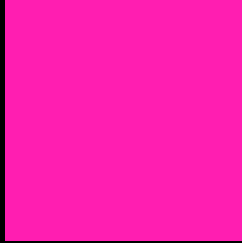
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.6401, 25.3629, 43.8742 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 49.6401, 25.3629, 43.8742

Background



This preview shows how black text looks on a background with the XYZ color 49.6401, 25.3629, 43.8742.



This preview shows how white text looks on a background with the XYZ color 49.6401, 25.3629,

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

49.6401, 25.3629, 43.8742

Protanopia

29.2634, 25.9901, 92.2812

Deuteranopia

26.0281, 25.4844, 39.6235



Tritanopia

42.4997, 25.3898, 9.6819

Trichromacy



Original Color

49.6401, 25.3629, 43.8742



Protanomaly

29.3136, 19.9343, 71.4100



Deuteranomaly

30.5864, 21.2754, 40.5247



Tritanomaly

44.2774, 24.7276, 18.0620

Monochromacy



Original Color

49.6401, 25.3629, 43.8742



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

23.1257, 15.9920, 25.5348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6401, 25.3629, 43.8742 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, 30, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 30, 177)  
}
```

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, 30, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 30, 177) }
```

Border

The CSS property to change the border of an element to XYZ 49.6401, 25.3629, 43.8742 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, 30, 177) }
```


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

```
.border{ border-color:rgb(255, 30, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 30, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 30, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 30, 177);  
box-shadow:4px 4px 4px 4px rgb(255, 30,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6401, 25.3629, 43.8742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 30, 177) }
```

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

```
.background{ background-color: rgb(255, 30,  
177) }
```

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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