

Converting Colors

XYZ(48.7875, 25.5367, 37.7976)

Have a look what the booklet for
XYZ(48.7875, 25.5367, 37.7976)
contains.

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Color

**XYZ(48.8245, 25.5625,
37.9580)**

Conversions

Conversions Part 1

Format	Color
Hex	FF29A5
RGB	255, 41, 165
RGB Percent	100%, 16%, 65%
CMY	0.0000, 0.8391, 0.3529
CMYK	0.00, 0.84, 0.35, 0.00
HSL	325°, 100%, 58%
HSV	325°, 84%, 100%
XYZ	48.8245, 25.5625, 37.9580
YIQ	119.1220, 87.7400, 83.9320

Conversions

Conversions Part 2

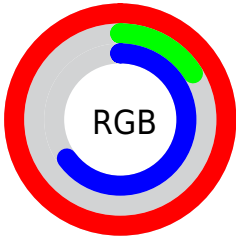
Format	Color
R_{YB}	255, 41, 165
Decimal	16722341
CIE _{Lab}	57.62, 83.11, -13.83
CIE _{LCh}	58, 84.257, 350.553
Yxy	25.5625, 0.4346, 0.2275
Android (android.graphics.Color)	4294912421 (0xFFFF29A5)
YUV	119.1220, 22.6179, 119.1650
Hunter-Lab	50.5594, 83.8961, -9.1211

Details

The XYZ color **48.8245, 25.5625, 37.9580** 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 **40.7733, 73.6311, 33.5430**, and the grayscale version is **17.4875, 18.3983, 20.0357**.

A 20% lighter version of the original color is **60.1756, 38.4619, 71.9624**, and **24.9730, 12.5297, 16.7250** is the 20% darker color. If you saturate the color by 10%, you get **47.2739, 23.9588, 32.8250**, and if you desaturate by 10%, it is **51.0281, 28.3412, 43.7130**.

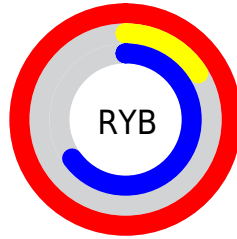
Distribution



Red (100%)

Green (16%)

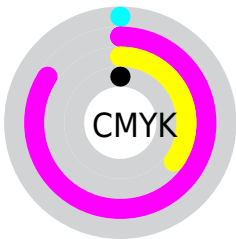
Blue (65%)



Red (100%)

Yellow (16%)

Blue (65%)

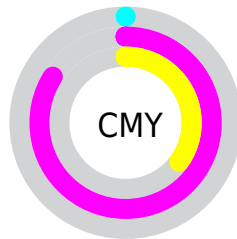


Cyan (0%)

Magenta (84%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (84%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8245, 25.5625, 37.9580 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 48.8245, 25.5625, 37.9580 by changing the saturation by 10% instead.

 48.8245, 25.5625,
37.9580


 48.8245, 25.5625,
37.9580


372.5794,
280.6278, 352.7326


 34.6942, 16.4966,
25.6485


 87.6330, 52.5683,
73.2465


 23.5929, 9.8763,
16.3375


 113.0420, 71.2770,
97.0625


 15.1550, 5.3170,
9.6063


 142.9413, 93.9688,
125.5512

 9.0152, 2.4344,
5.0366

 177.6962,
121.0281, 159.1310

 4.8083, 0.8435,
2.2096

 217.6721,
152.8392, 198.2205

 2.1688, 0.0000,
0.6799

263.2344,

 0.7262, 0.0000,

189.7866, 243.2382

0.0000

314.7484,
232.2547, 294.6027

■ 0.0000, 0.0000,
0.0000

■ 48.8245, 25.5625,
37.9580

■ 48.8245, 25.5625,
37.9580

■ 47.2739, 23.9588,
32.8250

■ 51.0281, 28.3412,
43.7130

■ 46.5653, 23.3901,
29.9727

■ 53.9798, 32.4822,
50.1307

■ 57.7603, 38.1434,
57.2473

■ 62.4385, 45.4602,
65.0948

■ 68.0759, 54.5525,
73.7021

■ 74.7283, 65.5294,
83.0965

■ 82.4471, 78.4907,
93.3030

■ 91.2800, 93.5296,
104.3457

■ 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.



42.5153, 25.5625, 79.9907



48.8245, 25.5625, 37.9580



47.2970, 25.5625, 12.5567

Triad

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



48.8245, 25.5625, 37.9580



18.1155, 25.5625, 1.5086



13.9576, 25.5625, 96.3239

Complementary

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



48.8245, 25.5625, 37.9580



40.7733, 73.6311, 33.5430

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.



10.3067, 25.5625, 52.1794



48.8245, 25.5625, 37.9580



12.2062, 25.5625, 5.3814

Square

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



48.8245, 25.5625, 37.9580



27.6135, 25.5625, 1.1449



9.7690, 25.5625, 19.6909



21.2562, 25.5625, 126.1250

Rectangle

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



48.8245, 25.5625, 37.9580



42.1675, 25.5625, 5.1120



9.7690, 25.5625, 19.6909



12.3585, 25.5625, 81.6590

Sweetspot

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



48.8252, 25.5639, 37.9584



73.9549, 64.2426, 82.0371



28.0769, 13.5672, 95.7467



15.3123, 12.8937, 16.8399



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.



48.8252, 25.5639, 37.9584



46.5653, 23.3901, 29.9727



42.8192, 23.1615, 6.3313



18.4507, 18.1636, 20.9905



24.4076, 12.2523, 16.0628



2.4311, 1.2148, 1.8514

Inverse Universe

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



48.8252, 25.5639, 37.9584



46.5653, 23.3901, 29.9727



51.9859, 78.1161, 92.5878



18.4507, 18.1636, 20.9905



24.4076, 12.2523, 16.0628



2.4311, 1.2148, 1.8514

Previews

White Background



This preview shows how the XYZ color 48.8245, 25.5625, 37.9580 looks on a white background.

Color Contrast Check

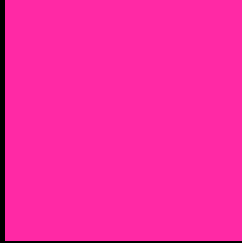
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.8245, 25.5625, 37.9580 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 48.8245, 25.5625, 37.9580

Background



This preview shows how black text looks on a background with the XYZ color 48.8245, 25.5625, 37.9580.



This preview shows how white text looks on a background with the XYZ color 48.8245, 25.5625,

37.9580.

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

48.8245, 25.5625, 37.9580

Protanopia

28.2872, 26.0345, 76.9331

Deuteranopia

26.1738, 25.6808, 34.1492



Tritanopia

42.8553, 25.5731, 9.6986

Trichromacy



Original Color

48.8245, 25.5625, 37.9580



Protanomaly

29.7737, 20.9842, 60.2387



Deuteranomaly

30.8328, 22.0903, 34.9865



Tritanomaly

44.2666, 25.0586, 16.9717

Monochromacy



Original Color

48.8245, 25.5625, 37.9580



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

24.3335, 17.5846, 25.4042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8245, 25.5625, 37.9580 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, 41, 165)` looks like.

```
.text, #text, p{  
    color:rgb(255, 41, 165)  
}
```

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, 41, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 41, 165) }
```

Border

The CSS property to change the border of an element to XYZ 48.8245, 25.5625, 37.9580 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, 41, 165) }
```


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

```
.border{ border-color:rgb(255, 41, 165) }
```

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

Here you see how a box with a 4 pixel rgb(255, 41, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 41, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 41, 165);  
box-shadow:4px 4px 4px 4px rgb(255, 41,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8245, 25.5625, 37.9580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 41, 165) }
```

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

```
.background{ background-color: rgb(255, 41,  
165) }
```

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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