

Converting Colors

XYZ(48.5529, 25.1975, 37.3183)

Have a look what the booklet for
XYZ(48.5529, 25.1975, 37.3183)
contains.

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Color

**XYZ(48.5717, 25.2021,
37.4264)**

Conversions

Conversions Part 1

Format	Color
Hex	FF24A4
RGB	255, 36, 164
RGB Percent	100%, 14%, 64%
CMY	0.0000, 0.8587, 0.3569
CMYK	0.00, 0.86, 0.36, 0.00
HSL	325°, 100%, 57%
HSV	325°, 86%, 100%
XYZ	48.5717, 25.2021, 37.4264
YIQ	116.0730, 89.4360, 86.2360

Conversions

Conversions Part 2

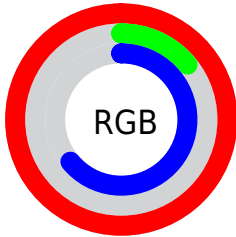
Format	Color
R _Y B	255, 36, 164
Decimal	16721060
CIE _{Lab}	57.27, 83.92, -13.77
CIE _{LCh}	57, 85.042, 350.683
Yxy	25.2021, 0.4368, 0.2266
Android (android.graphics.Color)	4294911140 (0xFFFF24A4)
YUV	116.0730, 23.6280, 121.8390
Hunter-Lab	50.2017, 84.8513, -9.0607

Details

The XYZ color **48.5717, 25.2021, 37.4264** 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 **40.3206, 73.4284, 32.1345**, and the grayscale version is **16.5371, 17.3983, 18.9468**.

A 20% lighter version of the original color is **59.7106, 37.7434, 71.1559**, and **24.9169, 12.5073, 16.4301** is the 20% darker color. If you saturate the color by 10%, you get **47.1374, 23.8018, 32.4217**, and if you desaturate by 10%, it is **50.6352, 27.7330, 43.0346**.

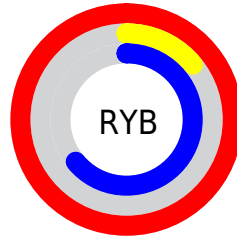
Distribution



Red (100%)

Green (14%)

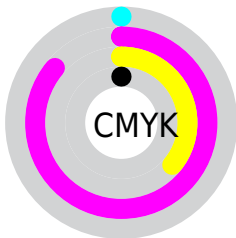
Blue (64%)



Red (100%)

Yellow (14%)

Blue (64%)

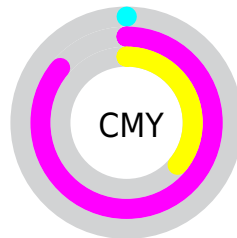


Cyan (0%)

Magenta (86%)

Yellow (36%)

Black (0%)



Cyan (0%)


Magenta (86%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5717, 25.2021, 37.4264 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 48.5717, 25.2021, 37.4264 by changing the saturation by 10% instead.

 48.5717, 25.2021,
37.4264


 48.5717, 25.2021,
37.4264


371.5987,
278.8429, 350.3771


 34.4930, 16.2277,
25.2394


 87.2596, 51.9849,
72.4217


 23.4373, 9.6854,
16.0349


 112.5994, 70.5621,
96.0672


 15.0392, 5.1909,
9.3942


 142.4237, 93.1090,
124.3692

 8.9334, 2.3597,
4.8989

 177.0977,
120.0100, 157.7464

 4.7545, 0.8050,
2.1304

 216.9869,
151.6495, 196.6172

 2.1372, 0.0000,
0.6338

262.4565,

 0.7093, 0.0000,

188.4119, 241.4002

0.0000

313.8720,
230.6816, 292.5140

■ 0.0000, 0.0000,
0.0000

■ 48.5717, 25.2021,
37.4264

■ 48.5717, 25.2021,
37.4264

■ 47.1374, 23.8018,
32.4217

■ 50.6352, 27.7330,
43.0346

■ 46.6672, 23.4309,
30.5094

■ 53.4276, 31.5912,
49.2883

■ 57.0321, 36.9402,
56.2243

■ 61.5196, 43.9188,
63.8748

■ 66.9528, 52.6496,
72.2692

73.3883, 63.2435,
81.4343

80.8782, 75.8021,
91.3955

89.4709, 90.4195,
102.1767

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.



42.2590, 25.2021, 79.6600



48.5717, 25.2021, 37.4264



47.0001, 25.2021, 12.1528

Triad

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



48.5717, 25.2021, 37.4264



17.7490, 25.2021, 1.3924



13.6662, 25.2021, 96.5184

Complementary

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



48.5717, 25.2021, 37.4264



40.3206, 73.4284, 32.1345

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.



10.0284, 25.2021, 52.0359



48.5717, 25.2021, 37.4264



11.8857, 25.2021, 5.1752

Square

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



48.5717, 25.2021, 37.4264



27.2252, 25.2021, 1.0382



9.4835, 25.2021, 19.4109



20.9556, 25.2021, 126.4977

Rectangle

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



48.5717, 25.2021, 37.4264



41.8278, 25.2021, 4.8496



9.4835, 25.2021, 19.4109



12.0725, 25.2021, 81.7362

Sweetspot

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



48.5724, 25.2035, 37.4268



73.3002, 63.0971, 81.3132



26.9381, 12.7395, 95.6469



15.1881, 12.6752, 16.7066



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.



48.5724, 25.2035, 37.4268



46.6672, 23.4309, 30.5094



42.6333, 22.8278, 6.1517



18.4547, 18.1652, 21.0114



24.4608, 12.2736, 16.3428



2.4361, 1.2168, 1.8780

Inverse Universe

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



48.5724, 25.2035, 37.4268



46.6672, 23.4309, 30.5094



51.2110, 77.7845, 89.4823



18.4547, 18.1652, 21.0114



24.4608, 12.2736, 16.3428



2.4361, 1.2168, 1.8780

Previews

White Background



This preview shows how the XYZ color 48.5717, 25.2021, 37.4264 looks on a white background.

Color Contrast Check

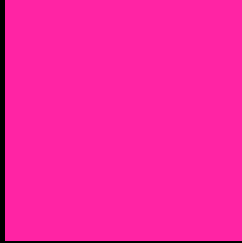
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.5717, 25.2021, 37.4264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

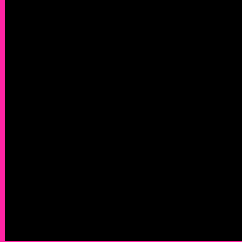
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 48.5717, 25.2021, 37.4264

Background



This preview shows how black text looks on a background with the XYZ color 48.5717, 25.2021, 37.4264.



This preview shows how white text looks on a background with the XYZ color 48.5717, 25.2021,

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

48.5717, 25.2021, 37.4264

Protanopia

27.9231, 25.6387, 76.8758

Deuteranopia

25.7765, 25.2794, 33.6578



Tritanopia

42.5562, 25.1406, 9.0882

Trichromacy



Original Color

48.5717, 25.2021, 37.4264



Protanomaly

29.1916, 20.3994, 60.1565



Deuteranomaly

30.2207, 21.3600, 34.4284



Tritanomaly

43.9506, 24.5969, 16.3411

Monochromacy



Original Color

48.5717, 25.2021, 37.4264



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

23.5782, 16.7253, 24.1759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5717, 25.2021, 37.4264 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, 36, 164)` looks like.

```
.text, #text, p{  
    color:rgb(255, 36, 164)  
}
```

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, 36, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 36, 164) }
```

Border

The CSS property to change the border of an element to XYZ 48.5717, 25.2021, 37.4264 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, 36, 164) }
```


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

```
.border{ border-color:rgb(255, 36, 164) }
```

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

Here you see how a box with a 4 pixel rgb(255, 36, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 36, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 36, 164);  
box-shadow:4px 4px 4px 4px rgb(255, 36,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5717, 25.2021, 37.4264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 36, 164) }
```

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

```
.background{ background-color: rgb(255, 36,  
164) }
```

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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