

Converting Colors

XYZ(48.9711, 24.1385, 52.3044)

Have a look what the booklet for
XYZ(48.9711, 24.1385, 52.3044)
contains.

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Color

**XYZ(49.0500, 24.1742,
52.5330)**

Conversions

Conversions Part 1

Format	Color
Hex	FA00C1
RGB	250, 0, 193
RGB Percent	98%, 0%, 76%
CMY	0.0196, 0.9998, 0.2431
CMYK	0.00, 1.00, 0.23, 0.02
HSL	314°, 100%, 49%
HSV	314°, 100%, 98%
XYZ	49.0500, 24.1742, 52.5330
YIQ	96.7520, 87.0470, 113.0230

Conversions

Conversions Part 2

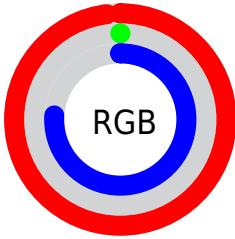
Format	Color
R _Y B	250, 0, 193
Decimal	16384193
CIE Lab	56.26, 89.58, -32.27
CIE LCh	56, 95.218, 340.187
Yxy	24.1742, 0.3900, 0.1922
Android (android.graphics.Color)	4294574273 (0xFFFA00C1)
YUV	96.7520, 47.4503, 134.3985
Hunter-Lab	49.1673, 92.0316, -28.9316

Details

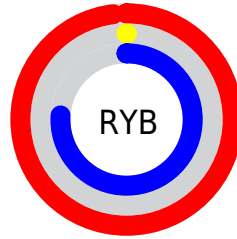
The XYZ color **49.0500, 24.1742, 52.5330** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **34.9262, 68.6679, 15.2910**, and the grayscale version is **11.1813, 11.7636, 12.8105**.

A 20% lighter version of the original color is **63.1490, 37.4695, 94.3465**, and **25.3992, 12.5554, 25.5109** is the 20% darker color. If you saturate the color by 10%, you get **49.0490, 24.1739, 52.5264**, and if you desaturate by 10%, it is **50.0475, 25.1312, 56.0644**.

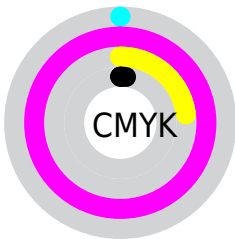
Distribution



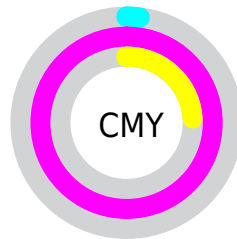
- Red (98%)
- Green (0%)
- Blue (76%)



- Red (98%)
- Yellow (0%)
- Blue (76%)



- Cyan (0%)
- Magenta (100%)
- Yellow (23%)
- Black (2%)




- Cyan (2%)
- Magenta (100%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0500, 24.1742, 52.5330 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 49.0500, 24.1742, 52.5330 by changing the saturation by 10% instead.


 49.0500, 24.1742,
52.5330


 49.0500, 24.1742,
52.5330

373.4528,
273.7000, 413.5062


 34.8738, 15.4629,
37.0449


 87.9660, 50.3143,
95.3514


 23.7318, 9.1449,
24.9462


 113.4365, 68.5119,
123.5188


 15.2584, 4.8358,
15.8183


 143.4026, 90.6404,
156.7497

 9.0884, 2.1513,
9.2427

 178.2295,
117.0842, 195.4627

 4.8565, 0.6932,
4.8009

 218.2826,
148.2276, 240.0763

 2.1972, 0.0000,
2.0742

263.9273,

 0.7413, 0.0000,

184.4552, 291.0091

0.6004

315.5289,
226.1511, 348.6795

■ 0.0000, 0.0000,
0.0000

■ 49.0500, 24.1742,
52.5330

■ 49.0500, 24.1742,
52.5330

■ 49.0490, 24.1739,
52.5264

■ 50.0475, 25.1312,
56.0644

■ 51.5148, 26.9887,
59.8746

■ 53.5899, 30.0215,
64.0109

■ 56.3561, 34.3960,
68.5026

■ 59.8834, 40.2518,
73.3740

■ 64.2329, 47.7106,
78.6469

■ 69.4594, 56.8819,
84.3408

■ 75.6131, 67.8654,
90.4736

■ 82.7401, 80.7528,
97.0618

Harmonies

Analogous

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



39.4332, 24.1742, 104.5800



49.0500, 24.1742, 52.5330



50.5830, 24.1742, 17.0257

Triad

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



49.0500, 24.1742, 52.5330



19.4478, 24.1742, 0.2298



10.3458, 24.1742, 87.6263

Complementary

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



49.0500, 24.1742, 52.5330



34.9262, 68.6679, 15.2910

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.



7.8513, 24.1742, 38.5031



49.0500, 24.1742, 52.5330



11.8852, 24.1742, 1.8971

Square

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



49.0500, 24.1742, 52.5330



30.8848, 24.1742, 0.5189



8.3072, 24.1742, 10.7076



16.5490, 24.1742, 133.7058

Rectangle

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



49.0500, 24.1742, 52.5330



46.4284, 24.1742, 6.1439



8.3072, 24.1742, 10.7076



9.1515, 24.1742, 69.8219

Sweetspot

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



49.0508, 24.1755, 52.5334



72.6273, 59.4470, 88.1927



18.7884, 7.6933, 90.9377



15.0271, 11.8101, 18.3273



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.



49.0508, 24.1755, 52.5334



51.3007, 25.2843, 54.9087



40.5583, 20.7785, 7.8123



17.8137, 17.4529, 20.8749



26.0744, 12.8455, 28.1639



2.4548, 1.2057, 2.8185

Inverse Universe

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



49.0508, 24.1755, 52.5334



51.3007, 25.2843, 54.9087



42.3415, 71.6340, 54.3392



17.8137, 17.4529, 20.8749



26.0744, 12.8455, 28.1639



2.4548, 1.2057, 2.8185

Previews

White Background



This preview shows how the XYZ color 49.0500, 24.1742, 52.5330 looks on a white background.

Color Contrast Check

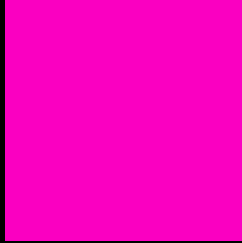
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.0500, 24.1742, 52.5330 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 49.0500, 24.1742, 52.5330

Background



This preview shows how black text looks on a background with the XYZ color 49.0500, 24.1742, 52.5330.



This preview shows how white text looks on a background with the XYZ color 49.0500, 24.1742,

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

49.0500, 24.1742, 52.5330

Protanopia

28.8271, 25.0246, 97.9186

Deuteranopia

25.3230, 24.7464, 47.1579



Tritanopia

40.3080, 24.4488, 10.1840

Trichromacy



Original Color

49.0500, 24.1742, 52.5330



Protanomaly

27.7275, 17.3177, 78.2252



Deuteranomaly

28.5830, 18.5458, 47.9722



Tritanomaly

41.8164, 22.7275, 20.2720

Monochromacy



Original Color

49.0500, 24.1742, 52.5330



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

19.0244, 11.8835, 23.1208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0500, 24.1742, 52.5330 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(250, 0, 193)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 193)  
}
```

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(250, 0, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 193) }
```

Border

The CSS property to change the border of an element to XYZ 49.0500, 24.1742, 52.5330 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(250, 0, 193) }
```


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

```
.border{ border-color:rgb(250, 0, 193) }
```

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

Here you see how a box with a 4 pixel rgb(250, 0, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 193);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0500, 24.1742, 52.5330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 193) }
```

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

```
.background{ background-color: rgb(250, 0,  
193) }
```

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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