

# Converting Colors

XYZ(49.9086, 24.6198, 52.4424)

Have a look what the booklet for  
XYZ(49.9086, 24.6198, 52.4424)  
contains.

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# Color

**XYZ(49.7705, 24.5457,  
52.5667)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FC00C1
RGB	252, 0, 193
RGB Percent	99%, 0%, 76%
CMY	0.0118, 0.9998, 0.2431
CMYK	0.00, 1.00, 0.23, 0.01
HSL	314°, 100%, 49%
HSV	314°, 100%, 99%
XYZ	49.7705, 24.5457, 52.5667
YIQ	97.3500, 88.2390, 113.4470

# Conversions

## Conversions Part 2

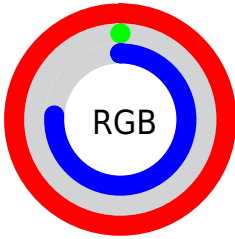
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	252, 0, 193
Decimal	16515265
CIE <sub>Lab</sub>	56.63, 89.95, -31.67
CIE <sub>LCh</sub>	57, 95.361, 340.602
Yxy	24.5457, 0.3923, 0.1935
Android (android.graphics.Color)	4294705345 (0xFFFC00C1)
YUV	97.3500, 47.1555, 135.6281
Hunter-Lab	49.5436, 92.6161, -28.2273

# Details

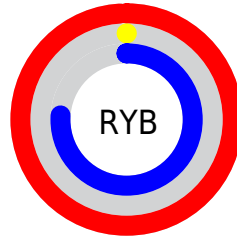
The XYZ color **49.7705, 24.5457, 52.5667** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **35.6021, 69.9378, 15.7682**, and the grayscale version is **11.3286, 11.9185, 12.9793**.

A 20% lighter version of the original color is **63.2467, 37.6649, 94.3791**, and **25.8954, 12.8112, 25.5341** is the 20% darker color. If you saturate the color by 10%, you get **49.7692, 24.5452, 52.5592**, and if you desaturate by 10%, it is **50.7956, 25.5207, 56.2218**.

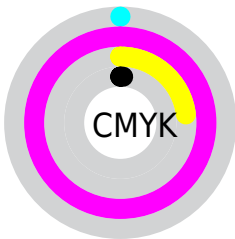
# Distribution



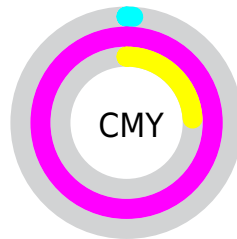
- Red (99%)
- Green (0%)
- Blue (76%)



- Red (99%)
- Yellow (0%)
- Blue (76%)



- Cyan (0%)
- Magenta (100%)
- Yellow (23%)
- Black (1%)




- Cyan (1%)
- Magenta (100%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7705, 24.5457, 52.5667 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 49.7705, 24.5457, 52.5667 by changing the saturation by 10% instead.




 49.7705, 24.5457,  
52.5667

 49.7705, 24.5457,  
52.5667

376.2346,  
275.5679, 413.6395

 35.4481, 15.7389,  
37.0716

 89.0286, 50.9193,  
95.4015


 24.1764, 9.3396,  
24.9667


 114.6950, 69.2548,  
123.5784


 15.5900, 4.9633,  
15.8335


 144.8736, 91.5354,  
156.8196

 9.3235, 2.2258,  
9.2533

 179.9295,  
118.1454, 195.5437

 5.0116, 0.7340,  
4.8077

 220.2282,  
149.4693, 240.1691

 2.2889, 0.0000,  
2.0781

266.1351,

 0.7890, 0.0000,

185.8914, 291.1146

0.6027

318.0154,  
227.7961, 348.7985

■ 0.0000, 0.0000,  
0.0000

■ 49.7705, 24.5457,  
52.5667

■ 49.7705, 24.5457,  
52.5667

■ 49.7692, 24.5452,  
52.5592

■ 50.7956, 25.5207,  
56.2218

■ 52.3009, 27.4142,  
60.1679

■ 54.4267, 30.5055,  
64.4534

■ 57.2579, 34.9643,  
69.1080

■ 60.8660, 40.9328,  
74.1569

■ 65.3133, 48.5355,  
79.6222

■ 70.6558, 57.8838,  
85.5240

■ 76.9446, 69.0794,  
91.8807

■ 84.2267, 82.2159,  
98.7092

# Harmonies

## Analogous

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



40.1371, 24.5457, 105.0537



49.7705, 24.5457, 52.5667



51.1862, 24.5457, 16.9928

# Triad

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



49.7705, 24.5457, 52.5667



19.6232, 24.5457, 0.2730



10.5981, 24.5457, 89.4092

# Complementary

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



49.7705, 24.5457, 52.5667



35.6021, 69.9378, 15.7682

# 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.



8.0224, 24.5457, 39.6072



49.7705, 24.5457, 52.5667



12.0239, 24.5457, 2.0058

# Square

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



49.7705, 24.5457, 52.5667



31.1514, 24.5457, 0.5376



8.4450, 24.5457, 11.1437



16.9413, 24.5457, 135.5907



# Rectangle

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



49.7705, 24.5457, 52.5667



46.9119, 24.5457, 6.1361



8.4450, 24.5457, 11.1437



9.3703, 24.5457, 71.4158

# Sweetspot

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



49.7713, 24.5470, 52.5671



72.5586, 59.4195, 87.8310



19.3657, 7.9545, 92.6105



15.0105, 11.8035, 18.2402



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.



49.7713, 24.5470, 52.5671



51.1225, 25.2130, 53.9707



41.1660, 21.1049, 7.2522



17.8090, 17.4510, 20.8499



25.9851, 12.8098, 27.6935



2.4472, 1.2026, 2.7786



# Inverse Universe

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



49.7713, 24.5470, 52.5671



51.1225, 25.2130, 53.9707



43.5487, 73.1164, 57.6144



17.8090, 17.4510, 20.8499



25.9851, 12.8098, 27.6935



2.4472, 1.2026, 2.7786



# Previews

## White Background



This preview shows how the XYZ color 49.7705, 24.5457, 52.5667 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

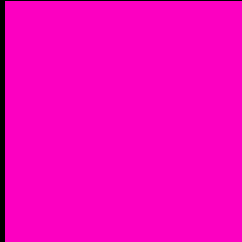
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.7705, 24.5457, 52.5667 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 49.7705, 24.5457, 52.5667**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.7705, 24.5457, 52.5667.



This preview shows how white text looks on a background with the XYZ color 49.7705, 24.5457,



# 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

49.7705, 24.5457, 52.5667

### Protanopia

29.1852, 25.4115, 97.9744

### Deuteranopia

25.7569, 25.1762, 47.2180



## Tritanopia

40.9946, 24.8028, 10.2162

# Trichromacy



## Original Color

49.7705, 24.5457, 52.5667



## Protanomaly

28.2952, 17.7265, 78.2742



## Deuteranomaly

29.0980, 18.9290, 48.0190



## Tritanomaly

42.5142, 23.0872, 20.3047

# Monochromacy



## Original Color

49.7705, 24.5457, 52.5667



## 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 49.7705, 24.5457, 52.5667 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(252, 0, 193)` looks like.

```
.text, #text, p{  
    color:rgb(252, 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(252, 0, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 193) }
```

## Border

The CSS property to change the border of an element to XYZ 49.7705, 24.5457, 52.5667 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(252, 0, 193) }
```



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

```
.border{ border-color:rgb(252, 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(252, 0, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 193);  
box-shadow:4px 4px 4px 4px rgb(252, 0,  
193) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.7705, 24.5457, 52.5667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 0, 193) }
```

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

```
.background{ background-color: rgb(252, 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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