

Converting Colors

XYZ(49.6504, 24.2021, 65.2871)

Have a look what the booklet for
XYZ(49.6504, 24.2021, 65.2871)
contains.

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Color

**XYZ(49.6664, 24.2166,
65.0073)**

Conversions

Conversions Part 1

Format	Color
Hex	F500D5
RGB	245, 0, 213
RGB Percent	96%, 0%, 84%
CMY	0.0392, 0.9998, 0.1647
CMYK	0.00, 1.00, 0.13, 0.04
HSL	308°, 100%, 48%
HSV	308°, 100%, 96%
XYZ	49.6664, 24.2166, 65.0073
YIQ	97.5370, 77.6470, 118.1830

Conversions

Conversions Part 2

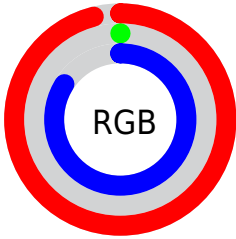
Format	Color
R _Y B	245, 0, 213
Decimal	16056533
CIE Lab	56.30, 91.07, -43.75
CIE LCh	56, 101.034, 334.343
Yxy	24.2166, 0.3576, 0.1744
Android (android.graphics.Color)	4294246613 (0xFFFF500D5)
YUV	97.5370, 56.9233, 129.3251
Hunter-Lab	49.2104, 94.0360, -43.8753

Details

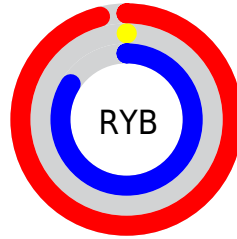
The XYZ color **49.6664, 24.2166, 65.0073** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **32.9147, 65.4102, 12.2608**, and the grayscale version is **11.3523, 11.9435, 13.0065**.

A 20% lighter version of the original color is **63.9437, 37.7874, 98.5312**, and **25.9387, 12.6590, 33.4241** is the 20% darker color. If you saturate the color by 10%, you get **49.6659, 24.2164, 65.0032**, and if you desaturate by 10%, it is **50.4152, 25.0571, 67.2814**.

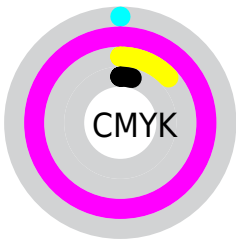
Distribution



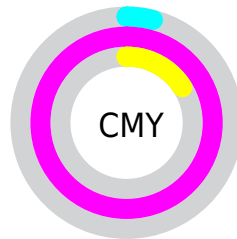
- Red (96%)
- Green (0%)
- Blue (84%)



- Red (96%)
- Yellow (0%)
- Blue (84%)



- Cyan (0%)
- Magenta (100%)
- Yellow (13%)
- Black (4%)




- Cyan (4%)
- Magenta (100%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6664, 24.2166, 65.0073 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 49.6664, 24.2166, 65.0073 by changing the saturation by 10% instead.


 49.6664, 24.2166,
65.0073


 49.6664, 24.2166,
65.0073

375.8335,
273.9137, 461.1251


 35.3651, 15.4944,
47.0156


 88.8752, 50.3834,
113.6737

 24.1121, 9.1671,
32.6936


 114.5134, 68.5968,
145.1856

 15.5420, 4.8503,
21.6226


 144.6613, 90.7427,
182.0412

 9.2894, 2.1597,
13.3842

 179.6842,
117.2055, 224.6591

 4.9891, 0.6979,
7.5598

 219.9476,
148.3696, 273.4580

 2.2755, 0.0000,
3.7309

265.8167,

 0.7821, 0.0000,

184.6194, 328.8562

1.4789

317.6569,
226.3393, 391.2724

■ 0.0000, 0.0000,
0.2021

■ 0.0000, 0.0000,
0.0000

■ 49.6664, 24.2166,
65.0073

■ 49.6664, 24.2166,
65.0073

■ 49.6659, 24.2164,
65.0032

■ 50.4152, 25.0571,
67.2814

■ 51.5960, 26.7491,
69.7391

■ 53.3411, 29.5567,
72.4250

■ 55.7293, 33.6376,
75.3654

■ 58.8272, 39.1247,
78.5828

■ 62.6926, 46.1337,
82.0968

■ 67.3777, 54.7686,
85.9248

■ 72.9297, 65.1242,
90.0829

■ 79.3925, 77.2879,
94.5859

Harmonies

Analogous

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



38.0962, 24.2166, 122.6267



49.6664, 24.2166, 65.0073



53.3314, 24.2166, 21.8049

Triad

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



49.6664, 24.2166, 65.0073



21.3633, 24.2166, 0.0000



9.0400, 24.2166, 81.5920

Complementary

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



49.6664, 24.2166, 65.0073



32.9147, 65.4102, 12.2608

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.



7.1339, 24.2166, 31.5265



49.6664, 24.2166, 65.0073



12.5573, 24.2166, 0.9546

Square

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



49.6664, 24.2166, 65.0073



34.1340, 24.2166, 0.4197



8.1610, 24.2166, 7.2105



14.6214, 24.2166, 136.6561

Rectangle

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



49.6664, 24.2166, 65.0073



50.0297, 24.2166, 7.7868



8.1610, 24.2166, 7.2105



8.0528, 24.2166, 62.6050

Sweetspot

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



49.6673, 24.2178, 65.0077



73.7424, 59.8931, 94.0649



16.9783, 6.8495, 86.8141



15.2964, 11.9178, 19.7457



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.



49.6673, 24.2178, 65.0077



54.3828, 26.5171, 71.1393



39.6751, 20.2209, 12.3894



17.1150, 16.7289, 20.3522



26.7928, 13.0605, 35.2126



2.3802, 1.1581, 3.2286

Inverse Universe

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



49.6673, 24.2178, 65.0077



54.3828, 26.5171, 71.1393



38.2476, 67.5433, 40.3434



17.1150, 16.7289, 20.3522



26.7928, 13.0605, 35.2126



2.3802, 1.1581, 3.2286

Previews

White Background



This preview shows how the XYZ color 49.6664, 24.2166, 65.0073 looks on a white background.

Color Contrast Check

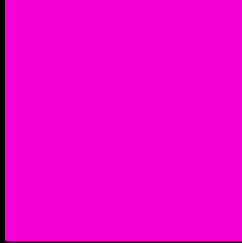
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.6664, 24.2166, 65.0073 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 49.6664, 24.2166, 65.0073

Background



This preview shows how black text looks on a background with the XYZ color 49.6664, 24.2166, 65.0073.



This preview shows how white text looks on a background with the XYZ color 49.6664, 24.2166,

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

49.6664, 24.2166, 65.0073

Protanopia

28.7555, 24.9877, 97.9153

Deuteranopia

25.3960, 24.7493, 58.0822



Tritanopia

38.9052, 24.5543, 12.1401

Trichromacy



Original Color

49.6664, 24.2166, 65.0073



Protanomaly

28.5714, 17.6185, 84.3329



Deuteranomaly

28.4478, 18.3325, 59.7968



Tritanomaly

40.8361, 22.4446, 24.7342

Monochromacy



Original Color

49.6664, 24.2166, 65.0073



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

19.2187, 11.9180, 26.0984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6664, 24.2166, 65.0073 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(245, 0, 213)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 213)  
}
```

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(245, 0, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 213) }
```

Border

The CSS property to change the border of an element to XYZ 49.6664, 24.2166, 65.0073 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(245, 0, 213) }
```


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

```
.border{ border-color:rgb(245, 0, 213) }
```

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

Here you see how a box with a 4 pixel rgb(245, 0, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 213);  
box-shadow:4px 4px 4px 4px rgb(245, 0,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6664, 24.2166, 65.0073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 0, 213) }
```

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

```
.background{ background-color: rgb(245, 0,  
213) }
```

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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