

Converting Colors

XYZ(50.0681, 24.4726, 62.8160)

Have a look what the booklet for
XYZ(50.0681, 24.4726, 62.8160)
contains.

XYZ(49.9906, 24.4273, 63.0529)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.9906, 24.4273,
63.0529)**

Conversions

Conversions Part 1

Format	Color
Hex	F700D2
RGB	247, 0, 210
RGB Percent	97%, 0%, 82%
CMY	0.0314, 0.9998, 0.1765
CMYK	0.00, 1.00, 0.15, 0.03
HSL	309°, 100%, 48%
HSV	309°, 100%, 97%
XYZ	49.9906, 24.4273, 63.0529
YIQ	97.7930, 79.8020, 117.6740

Conversions

Conversions Part 2

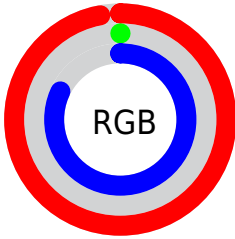
Format	Color
RYB	247, 0, 210
Decimal	16187602
CIELab	56.51, 91.05, -41.68
CIELCh	57, 100.133, 335.402
Yxy	24.4273, 0.3636, 0.1777
Android (android.graphics.Color)	4294377682 (0xFFFF700D2)
YUV	97.7930, 55.3181, 130.8545
Hunter-Lab	49.4240, 94.0544, -41.0427

Details

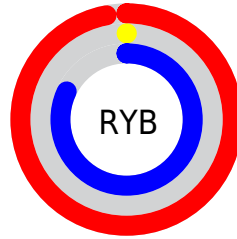
The XYZ color **49.9906, 24.4273, 63.0529** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **33.5964, 66.6562, 12.8497**, and the grayscale version is **11.4187, 12.0134, 13.0826**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **26.1661, 12.8057, 32.1030** is the 20% darker color. If you saturate the color by 10%, you get **49.9900, 24.4271, 63.0482**, and if you desaturate by 10%, it is **50.7998, 25.2987, 65.6241**.

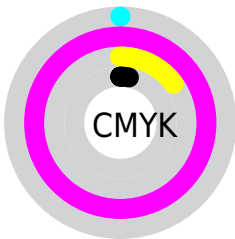
Distribution



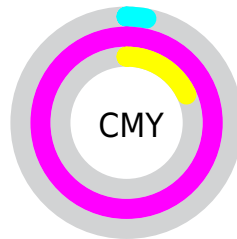
- Red (97%)
- Green (0%)
- Blue (82%)



- Red (97%)
- Yellow (0%)
- Blue (82%)



- Cyan (0%)
- Magenta (100%)
- Yellow (15%)
- Black (3%)




- Cyan (3%)
- Magenta (100%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9906, 24.4273, 63.0529 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 49.9906, 24.4273, 63.0529 by changing the saturation by 10% instead.


 49.9906, 24.4273,
63.0529

 49.9906, 24.4273,
63.0529


377.0818,
274.9737, 453.8747


 35.6237, 15.6509,
45.4427


 89.3529, 50.7266,
110.8321

 24.3125, 9.2775,
31.4608


 115.0789, 69.0183,
141.8383


 15.6916, 4.9226,
20.6886


 145.3221, 91.2505,
178.1468

 9.3956, 2.2019,
12.7075

 180.4477,
117.8077, 220.1764

 5.0593, 0.7210,
7.0991

 220.8211,
149.0742, 268.3454

 2.3172, 0.0000,
3.4448

266.8077,

 0.8034, 0.0000,

185.4344, 323.0724

1.3260

318.7728,
227.2728, 384.7760

■ 0.0000, 0.0000,
0.0829

■ 0.0000, 0.0000,
0.0000

■ 49.9906, 24.4273,
63.0529

■ 49.9906, 24.4273,
63.0529

■ 49.9900, 24.4271,
63.0482

■ 50.7998, 25.2987,
65.6241

■ 52.0520, 27.0395,
68.3958

■ 53.8817, 29.9179,
71.4133

■ 56.3696, 34.0952,
74.7038

■ 59.5832, 39.7068,
78.2902

■ 63.5820, 46.8708,
82.1926

■ 68.4189, 55.6933,
86.4291

■ 74.1422, 66.2710,
91.0160

■ 80.7968, 78.6932,
95.9686

Harmonies

Analogous

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



38.6916, 24.4273, 120.0956



49.9906, 24.4273, 63.0529



53.2714, 24.4273, 21.0235

Triad

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



49.9906, 24.4273, 63.0529



21.1796, 24.4273, 0.0000



9.3650, 24.4273, 83.4518

Complementary

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



49.9906, 24.4273, 63.0529



33.5964, 66.6562, 12.8497

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.



7.3343, 24.4273, 33.0779



49.9906, 24.4273, 63.0529



12.5413, 24.4273, 1.1128

Square

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



49.9906, 24.4273, 63.0529



33.7996, 24.4273, 0.4468



8.2644, 24.4273, 7.8787



15.1125, 24.4273, 137.2910

Rectangle

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



49.9906, 24.4273, 63.0529



49.7705, 24.4273, 7.5235



8.2644, 24.4273, 7.8787



8.3310, 24.4273, 64.5071

Sweetspot

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



49.9915, 24.4285, 63.0533



73.5191, 59.8038, 92.8891



17.4156, 7.0395, 88.4371



15.2424, 11.8962, 19.4610



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.



49.9915, 24.4285, 63.0533



53.7375, 26.2590, 67.7411



40.2296, 20.5238, 11.6482



17.1006, 16.7231, 20.2765



26.4801, 12.9355, 33.5660



2.3557, 1.1483, 3.0996

Inverse Universe

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



49.9915, 24.4285, 63.0533



53.7375, 26.2590, 67.7411



39.3008, 68.9380, 42.8887



17.1006, 16.7231, 20.2765



26.4801, 12.9355, 33.5660



2.3557, 1.1483, 3.0996

Previews

White Background



This preview shows how the XYZ color 49.9906, 24.4273, 63.0529 looks on a white background.

Color Contrast Check

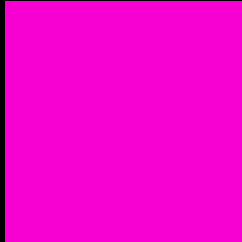
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.9906, 24.4273, 63.0529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

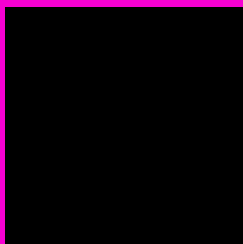
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 49.9906, 24.4273, 63.0529

Background



This preview shows how black text looks on a background with the XYZ color 49.9906, 24.4273, 63.0529.



This preview shows how white text looks on a background with the XYZ color 49.9906, 24.4273,

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

49.9906, 24.4273, 63.0529

Protanopia

29.0361, 25.3347, 97.9675

Deuteranopia

25.6923, 25.1502, 56.3237



Tritanopia

39.4056, 24.7075, 11.7089

Trichromacy



Original Color

49.9906, 24.4273, 63.0529



Protanomaly

28.8202, 17.8799, 83.5935



Deuteranomaly

28.9692, 18.7620, 57.9717



Tritanomaly

41.3731, 22.7374, 24.0379

Monochromacy



Original Color

49.9906, 24.4273, 63.0529



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

19.3317, 11.9847, 25.7205

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9906, 24.4273, 63.0529 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(247, 0, 210)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 210)  
}
```

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(247, 0, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 210) }
```

Border

The CSS property to change the border of an element to XYZ 49.9906, 24.4273, 63.0529 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(247, 0, 210) }
```


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

```
.border{ border-color:rgb(247, 0, 210) }
```

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

Here you see how a box with a 4 pixel rgb(247, 0, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 210);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9906, 24.4273, 63.0529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 210) }
```

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

```
.background{ background-color: rgb(247, 0,  
210) }
```

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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