

Converting Colors

XYZ(49.6960, 24.4092, 56.9919)

Have a look what the booklet for
XYZ(49.6960, 24.4092, 56.9919)
contains.

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Color

**XYZ(49.4922, 24.3099,
56.7273)**

Conversions

Conversions Part 1

Format	Color
Hex	F900C8
RGB	249, 0, 200
RGB Percent	98%, 0%, 78%
CMY	0.0235, 0.9998, 0.2157
CMYK	0.00, 1.00, 0.20, 0.02
HSL	312°, 100%, 49%
HSV	312°, 100%, 98%
XYZ	49.4922, 24.3099, 56.7273
YIQ	97.2510, 84.2040, 114.9880

Conversions

Conversions Part 2

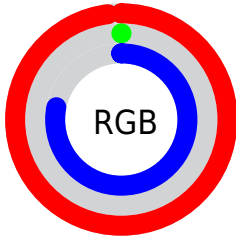
Format	Color
R _Y B	249, 0, 200
Decimal	16318664
CIE Lab	56.40, 90.20, -36.11
CIE LCh	56, 97.160, 338.183
Yxy	24.3099, 0.3792, 0.1862
Android (android.graphics.Color)	4294508744 (0xFFFF900C8)
YUV	97.2510, 50.6553, 133.0839
Hunter-Lab	49.3051, 92.8936, -33.7018

Details

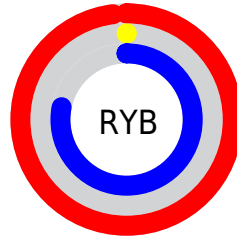
The XYZ color **49.4922, 24.3099, 56.7273** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **34.4321, 67.9742, 14.2175**, and the grayscale version is **11.2967, 11.8850, 12.9428**.

A 20% lighter version of the original color is **63.9437, 37.7874, 98.5312**, and **25.6818, 12.6401, 28.2803** is the 20% darker color. If you saturate the color by 10%, you get **49.4911, 24.3094, 56.7207**, and if you desaturate by 10%, it is **50.4213, 25.2362, 59.9088**.

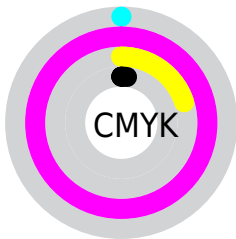
Distribution



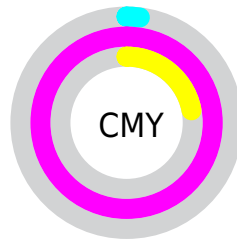
- Red (98%)
- Green (0%)
- Blue (78%)



- Red (98%)
- Yellow (0%)
- Blue (78%)



- Cyan (0%)
- Magenta (100%)
- Yellow (20%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4922, 24.3099, 56.7273 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 49.4922, 24.3099, 56.7273 by changing the saturation by 10% instead.

 49.4922, 24.3099,
56.7273


 49.4922, 24.3099,
56.7273


375.1617,
274.3835, 429.8918

 35.2262, 15.5637,
40.3784

 88.6184, 50.5354,
101.5636


 24.0045, 9.2159,
27.5177


 114.2093, 68.7835,
130.8880

 15.4617, 4.8823,
17.7265


 144.3059, 90.9677,
165.3748

 9.2325, 2.1784,
10.5864

 179.2735,
117.4723, 205.4424

 4.9515, 0.7082,
5.6788

 219.4776,
148.6819, 251.5093

 2.2533, 0.0000,
2.5852

265.2834,

 0.7706, 0.0000,

184.9806, 303.9942

0.8848

317.0563,
226.7530, 363.3155

■ 0.0000, 0.0000,
0.0000

■ 49.4922, 24.3099,
56.7273

■ 49.4922, 24.3099,
56.7273

■ 49.4911, 24.3094,
56.7207

■ 50.4213, 25.2362,
59.9088

■ 51.8098, 27.0520,
63.3348

■ 53.7943, 30.0300,
67.0516

■ 56.4573, 34.3347,
71.0877

■ 59.8679, 40.1042,
75.4668

■ 64.0866, 47.4593,
80.2099

■ 69.1677, 56.5080,
85.3358

■ 75.1605, 67.3491,
90.8618

■ 82.1107, 80.0736,
96.8039

Harmonies

Analogous

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



39.1802, 24.3099, 110.8452



49.4922, 24.3099, 56.7273



51.7287, 24.3099, 18.6104

Triad

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



49.4922, 24.3099, 56.7273



20.1681, 24.3099, 0.0744



9.9543, 24.3099, 86.0136

Complementary

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



49.4922, 24.3099, 56.7273



34.4321, 67.9742, 14.2175

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.



7.6505, 24.3099, 36.2776



49.4922, 24.3099, 56.7273



12.1673, 24.3099, 1.5479

Square

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



49.4922, 24.3099, 56.7273



32.0908, 24.3099, 0.4918



8.3029, 24.3099, 9.5022



15.9771, 24.3099, 135.3089

Rectangle

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



49.4922, 24.3099, 56.7273



47.8282, 24.3099, 6.6938



8.3029, 24.3099, 9.5022



8.8254, 24.3099, 67.7085

Sweetspot

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



49.4930, 24.3112, 56.7277



72.9797, 59.5880, 90.0484



18.2126, 7.4146, 90.0941



15.1120, 11.8440, 18.7746



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.



49.4930, 24.3112, 56.7277



52.2363, 25.6585, 59.8356



40.4749, 20.7039, 9.2389



17.8380, 17.4626, 21.0026



26.5433, 13.0330, 30.6329



2.4944, 1.2215, 3.0271

Inverse Universe

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



49.4930, 24.3112, 56.7277



52.2363, 25.6585, 59.8356



41.1481, 70.6606, 49.5837



17.8380, 17.4626, 21.0026



26.5433, 13.0330, 30.6329



2.4944, 1.2215, 3.0271

Previews

White Background



This preview shows how the XYZ color 49.4922, 24.3099, 56.7273 looks on a white background.

Color Contrast Check

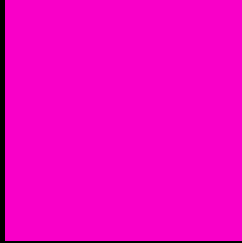
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.4922, 24.3099, 56.7273 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 49.4922, 24.3099, 56.7273

Background



This preview shows how black text looks on a background with the XYZ color 49.4922, 24.3099, 56.7273.



This preview shows how white text looks on a background with the XYZ color 49.4922, 24.3099,

56.7273.

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

49.4922, 24.3099, 56.7273

Protanopia

29.0361, 25.3347, 97.9675

Deuteranopia

25.3793, 24.9089, 50.4840



Tritanopia

39.9539, 24.5672, 10.8198

Trichromacy



Original Color

49.4922, 24.3099, 56.7273



Protanomaly

28.3972, 17.7294, 80.5227



Deuteranomaly

28.7786, 18.6768, 51.9574



Tritanomaly

41.8686, 22.8422, 21.9409

Monochromacy



Original Color

49.4922, 24.3099, 56.7273



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

18.9746, 11.8419, 23.8399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4922, 24.3099, 56.7273 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(249, 0, 200)` looks like.

```
.text, #text, p{  
  color:rgb(249, 0, 200)  
}
```

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(249, 0, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 0, 200) }
```

Border

The CSS property to change the border of an element to XYZ 49.4922, 24.3099, 56.7273 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(249, 0, 200) }
```


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

```
.border{ border-color:rgb(249, 0, 200) }
```

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

Here you see how a box with a 4 pixel rgb(249, 0, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 0, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 0, 200);  
box-shadow:4px 4px 4px 4px rgb(249, 0,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4922, 24.3099, 56.7273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 0, 200) }
```

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

```
.background{ background-color: rgb(249, 0,  
200) }
```

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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