

Converting Colors

XYZ(47.6085, 23.4887, 49.8641)

Have a look what the booklet for
XYZ(47.6085, 23.4887, 49.8641)
contains.

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Color

**XYZ(47.4349, 23.4050,
49.5945)**

Conversions

Conversions Part 1

Format	Color
Hex	F700BC
RGB	247, 0, 188
RGB Percent	97%, 0%, 74%
CMY	0.0314, 0.9998, 0.2627
CMYK	0.00, 1.00, 0.24, 0.03
HSL	314°, 100%, 48%
HSV	314°, 100%, 97%
XYZ	47.4349, 23.4050, 49.5945
YIQ	95.2850, 86.8640, 110.8320

Conversions

Conversions Part 2

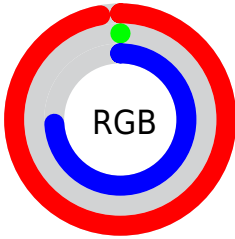
Format	Color
R_{YB}	247, 0, 188
Decimal	16187580
CIE _{Lab}	55.49, 88.47, -30.63
CIE _{LCh}	55, 93.621, 340.904
Yxy	23.4050, 0.3939, 0.1943
Android (android.graphics.Color)	4294377660 (0xFFFF700BC)
YUV	95.2850, 45.7085, 133.0541
Hunter-Lab	48.3787, 90.3549, -26.9149

Details

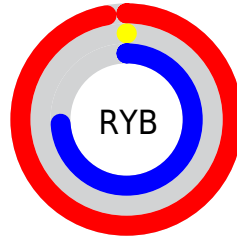
The XYZ color **47.4349, 23.4050, 49.5945** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **34.0524, 66.8385, 15.2512**, and the grayscale version is **10.8319, 11.3960, 12.4103**.

A 20% lighter version of the original color is **62.3751, 37.1599, 90.2713**, and **24.3107, 12.0355, 23.5960** is the 20% darker color. If you saturate the color by 10%, you get **47.4338, 23.4046, 49.5876**, and if you desaturate by 10%, it is **48.4269, 24.3496, 53.1286**.

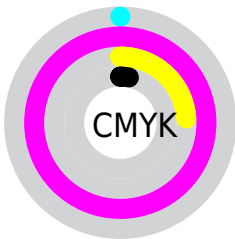
Distribution



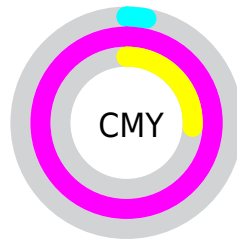
- Red (97%)
- Green (0%)
- Blue (74%)



- Red (97%)
- Yellow (0%)
- Blue (74%)



- Cyan (0%)
- Magenta (100%)
- Yellow (24%)
- Black (3%)





- Cyan (3%)
- Magenta (100%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4349, 23.4050, 49.5945 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 47.4349, 23.4050, 49.5945 by changing the saturation by 10% instead.

 47.4349, 23.4050,
49.5945


 47.4349, 23.4050,
49.5945

367.1678,
269.7984, 401.7676


 33.5890, 14.8928,
34.7224

 85.5772, 49.0575,
90.9639


 22.7394, 8.7442,
23.1673


 110.6043, 66.9666,
118.2982


 14.5208, 4.5747,
14.5106


 140.0892, 88.7768,
150.6238

 8.5679, 2.0000,
8.3339

 174.3973,
114.8726, 188.3590

 4.5153, 0.6075,
4.2185

 213.8938,
145.6382, 231.9224

 1.9976, 0.0000,
1.7460

258.9441,

 0.6326, 0.0000,

181.4581, 281.7326

0.3919

309.9137,
222.7167, 338.2082

■ 0.0000, 0.0000,
0.0000

■ 47.4349, 23.4050,
49.5945

■ 47.4349, 23.4050,
49.5945

■ 47.4338, 23.4046,
49.5876

■ 48.4269, 24.3496,
53.1286

■ 49.8776, 26.1699,
56.9454

■ 51.9216, 29.1341,
61.0912

■ 54.6398, 33.4036,
65.5945

■ 58.1001, 39.1139,
70.4793

■ 62.3620, 46.3832,
75.7668

■ 67.4786, 55.3178,
81.4763

■ 73.4987, 66.0143,
87.6251

■ 80.4670, 78.5621,
94.2296

Harmonies

Analogous

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



38.3397, 23.4050, 99.3951



47.4349, 23.4050, 49.5945



48.6878, 23.4050, 16.0018

Triad

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



47.4349, 23.4050, 49.5945



18.6263, 23.4050, 0.2612



10.1702, 23.4050, 85.5571

Complementary

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



47.4349, 23.4050, 49.5945



34.0524, 66.8385, 15.2512

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.



7.6845, 23.4050, 38.1232



47.4349, 23.4050, 49.5945



11.4348, 23.4050, 1.9688

Square

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



47.4349, 23.4050, 49.5945



29.5606, 23.4050, 0.5032



8.0595, 23.4050, 10.8158



16.2496, 23.4050, 129.1739

Rectangle

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



47.4349, 23.4050, 49.5945



44.5738, 23.4050, 5.7809



8.0595, 23.4050, 10.8158



8.9890, 23.4050, 68.4586

Sweetspot

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



47.4357, 23.4063, 49.5949



72.5057, 59.3984, 87.5522



18.5152, 7.6064, 88.4884



14.9978, 11.7984, 18.1731



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.



47.4357, 23.4063, 49.5949



50.9862, 25.1585, 53.2526



39.3391, 20.1676, 6.9590



17.0344, 16.6966, 19.9279



25.1443, 12.4012, 26.5321



2.2497, 1.1058, 2.5411

Inverse Universe

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



47.4357, 23.4063, 49.5949



50.9862, 25.1585, 53.2526



41.6173, 69.8645, 55.0873



17.0344, 16.6966, 19.9279



25.1443, 12.4012, 26.5321



2.2497, 1.1058, 2.5411

Previews

White Background



This preview shows how the XYZ color 47.4349, 23.4050, 49.5945 looks on a white background.

Color Contrast Check

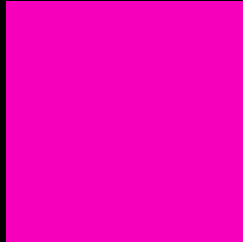
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.4349, 23.4050, 49.5945 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 47.4349, 23.4050, 49.5945

Background



This preview shows how black text looks on a background with the XYZ color 47.4349, 23.4050, 49.5945.



This preview shows how white text looks on a background with the XYZ color 47.4349, 23.4050,

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

47.4349, 23.4050, 49.5945

Protanopia

28.2126, 24.3091, 97.8129

Deuteranopia

24.5452, 23.9971, 44.4125



Tritanopia

39.0838, 23.6248, 9.7078

Trichromacy



Original Color

47.4349, 23.4050, 49.5945



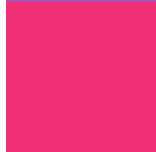
Protanomaly

26.8771, 16.7813, 77.4238



Deuteranomaly

27.7707, 18.0710, 45.2044



Tritanomaly

40.5622, 22.0418, 19.2562

Monochromacy



Original Color

47.4349, 23.4050, 49.5945



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

18.1560, 11.3007, 21.9932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4349, 23.4050, 49.5945 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, 188)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 188)  
}
```

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, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 188) }
```

Border

The CSS property to change the border of an element to XYZ 47.4349, 23.4050, 49.5945 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, 188) }
```


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

```
.border{ border-color:rgb(247, 0, 188) }
```

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, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 188);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4349, 23.4050, 49.5945 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, 188) }
```

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

```
.background{ background-color: rgb(247, 0,  
188) }
```

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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