

Converting Colors

XYZ(49.5086, 24.4598, 50.3359)

Have a look what the booklet for
XYZ(49.5086, 24.4598, 50.3359)
contains.

XYZ(49.3302, 24.3696, 50.2479)	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(49.3302, 24.3696,
50.2479)**

Conversions

Conversions Part 1

Format	Color
Hex	FC00BD
RGB	252, 0, 189
RGB Percent	99%, 0%, 74%
CMY	0.0118, 0.9998, 0.2588
CMYK	0.00, 1.00, 0.25, 0.01
HSL	315°, 100%, 49%
HSV	315°, 100%, 99%
XYZ	49.3302, 24.3696, 50.2479
YIQ	96.8940, 89.5230, 112.2030

Conversions

Conversions Part 2

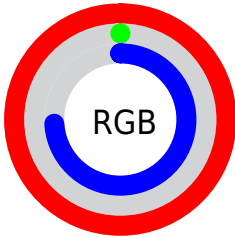
Format	Color
R_{YB}	252, 0, 189
Decimal	16515261
CIE _{Lab}	56.46, 89.51, -29.63
CIE _{LCh}	56, 94.284, 341.683
Yxy	24.3696, 0.3980, 0.1966
Android (android.graphics.Color)	4294705341 (0xFFFC00BD)
YUV	96.8940, 45.4083, 136.0280
Hunter-Lab	49.3656, 91.9823, -25.7938

Details

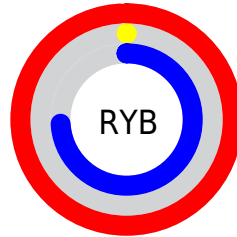
The XYZ color **49.3302, 24.3696, 50.2479** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **35.7101, 69.9810, 16.3367**, and the grayscale version is **11.2212, 11.8056, 12.8563**.

A 20% lighter version of the original color is **62.6259, 37.4166, 91.1101**, and **25.6084, 12.6964, 24.0226** is the 20% darker color. If you saturate the color by 10%, you get **49.3288, 24.3690, 50.2399**, and if you desaturate by 10%, it is **50.3827, 25.3557, 54.0475**.

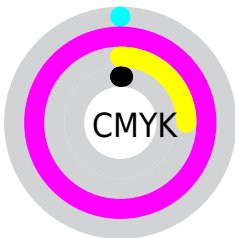
Distribution



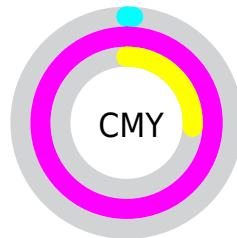
- Red (99%)
- Green (0%)
- Blue (74%)



- Red (99%)
- Yellow (0%)
- Blue (74%)



- Cyan (0%)
- Magenta (100%)
- Yellow (25%)
- Black (1%)





- Cyan (1%)
- Magenta (100%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3302, 24.3696, 50.2479 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 49.3302, 24.3696, 50.2479 by changing the saturation by 10% instead.


 49.3302, 24.3696,
50.2479

 49.3302, 24.3696,
50.2479

374.5362,
274.6838, 404.3974


 35.0971, 15.6080,
35.2379


 88.3795, 50.6327,
91.9422


 23.9045, 9.2472,
23.5611


 113.9263, 68.9029,
119.4634

 15.3872, 4.9028,
14.7992


 143.9751, 91.1116,
151.9922

 9.1796, 2.1903,
8.5335

 178.8913,
117.6429, 189.9470

 4.9166, 0.7147,
4.3456

 219.0401,
148.8814, 233.7464

 2.2327, 0.0000,
1.8168

264.7870,

 0.7599, 0.0000,

185.2115, 283.8089

0.4390

316.4972,
227.0175, 340.5531

■ 0.0000, 0.0000,
0.0000

■ 49.3302, 24.3696,
50.2479

■ 49.3302, 24.3696,
50.2479

■ 49.3288, 24.3690,
50.2399

■ 50.3827, 25.3557,
54.0475

■ 51.9190, 27.2616,
58.1567

■ 54.0794, 30.3668,
62.6241

■ 56.9489, 34.8409,
67.4799

■ 60.5989, 40.8263,
72.7495

■ 65.0920, 48.4474,
78.4555

■ 70.4841, 57.8156,
84.6182

■ 76.8264, 69.0327,
91.2563

■ 84.1659, 82.1923,
98.3870

Harmonies

Analogous

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



40.1011, 24.3696, 101.4456



49.3302, 24.3696, 50.2479



50.3775, 24.3696, 16.1331

Triad

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



49.3302, 24.3696, 50.2479



19.1690, 24.3696, 0.3501



10.7625, 24.3696, 89.8946

Complementary

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



49.3302, 24.3696, 50.2479



35.7101, 69.9810, 16.3367

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.



8.0942, 24.3696, 40.6543



49.3302, 24.3696, 50.2479



11.8254, 24.3696, 2.2044

Square

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



49.3302, 24.3696, 50.2479



30.4006, 24.3696, 0.5475



8.4100, 24.3696, 11.7776



17.1756, 24.3696, 134.1935

Rectangle

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



49.3302, 24.3696, 50.2479



45.9926, 24.3696, 5.8352



8.4100, 24.3696, 11.7776



9.5045, 24.3696, 72.2499

Sweetspot

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



49.3310, 24.3709, 50.2483



72.3816, 59.3487, 86.8989



19.6241, 8.0877, 92.6226



14.9680, 11.7864, 18.0159



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.



49.3310, 24.3709, 50.2483



50.6699, 25.0320, 51.5872



41.0441, 21.0561, 6.6100



17.7967, 17.4460, 20.7852



25.7580, 12.7189, 26.4978



2.4279, 1.1949, 2.6768

Inverse Universe

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



49.3310, 24.3709, 50.2483



50.6699, 25.0320, 51.5872



43.9982, 73.2962, 59.9811



17.7967, 17.4460, 20.7852



25.7580, 12.7189, 26.4978



2.4279, 1.1949, 2.6768

Previews

White Background



This preview shows how the XYZ color 49.3302, 24.3696, 50.2479 looks on a white background.

Color Contrast Check

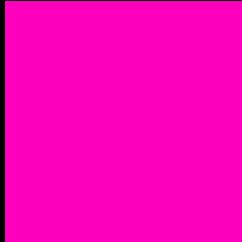
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.3302, 24.3696, 50.2479 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 49.3302, 24.3696, 50.2479

Background



This preview shows how black text looks on a background with the XYZ color 49.3302, 24.3696, 50.2479.



This preview shows how white text looks on a background with the XYZ color 49.3302, 24.3696,

50.2479.

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

49.3302, 24.3696, 50.2479

Protanopia

29.1100, 25.3728, 97.9709

Deuteranopia

25.3630, 24.8137, 45.0477



Tritanopia

41.1994, 24.8153, 9.8261

Trichromacy



Original Color

49.3302, 24.3696, 50.2479



Protanomaly

27.9888, 17.5849, 77.5204



Deuteranomaly

28.8226, 18.7174, 45.8098



Tritanomaly

42.6847, 23.1961, 19.3671

Monochromacy



Original Color

49.3302, 24.3696, 50.2479



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

18.8888, 11.8293, 22.4068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3302, 24.3696, 50.2479 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, 189)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 189)  
}
```

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, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 189) }
```

Border

The CSS property to change the border of an element to XYZ 49.3302, 24.3696, 50.2479 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, 189) }
```


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

```
.border{ border-color:rgb(252, 0, 189) }
```

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, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 189);  
box-shadow:4px 4px 4px 4px rgb(252, 0,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3302, 24.3696, 50.2479 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, 189) }
```

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

```
.background{ background-color: rgb(252, 0,  
189) }
```

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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