

Converting Colors

XYZ(50.1660, 24.8314, 48.9304)

Have a look what the booklet for
XYZ(50.1660, 24.8314, 48.9304)
contains.

XYZ(50.2096, 24.8479, 49.1635)	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(50.2096, 24.8479,
49.1635)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00BB
RGB	255, 0, 187
RGB Percent	100%, 0%, 73%
CMY	0.0000, 0.9998, 0.2667
CMYK	0.00, 1.00, 0.27, 0.00
HSL	316°, 100%, 50%
HSV	316°, 100%, 100%
XYZ	50.2096, 24.8479, 49.1635
YIQ	97.5630, 91.9530, 112.2170

Conversions

Conversions Part 2

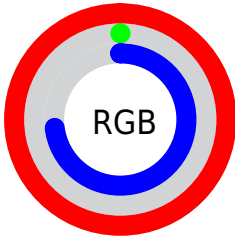
Format	Color
R_{YB}	255, 0, 187
Decimal	16711867
CIE _{Lab}	56.93, 89.85, -27.70
CIE _{LCh}	57, 94.023, 342.867
Yxy	24.8479, 0.4042, 0.2000
Android (android.graphics.Color)	4294901947 (0xFFFF00BB)
YUV	97.5630, 44.0924, 138.0722
Hunter-Lab	49.8477, 92.5626, -23.5829

Details

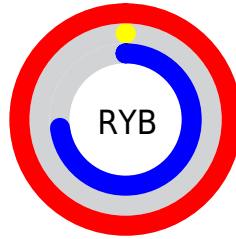
The XYZ color **50.2096, 24.8479, 49.1635** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **36.8061, 71.9385, 17.4244**, and the grayscale version is **11.3884, 11.9815, 13.0478**.

A 20% lighter version of the original color is **62.1690, 37.2338, 88.7042**, and **26.2260, 13.0309, 23.3233** is the 20% darker color. If you saturate the color by 10%, you get **50.2079, 24.8472, 49.1543**, and if you desaturate by 10%, it is **51.3152, 25.8657, 53.2104**.

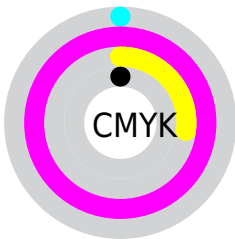
Distribution



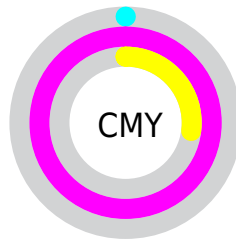
- Red (100%)
- Green (0%)
- Blue (73%)



- Red (100%)
- Yellow (0%)
- Blue (73%)



- Cyan (0%)
- Magenta (100%)
- Yellow (27%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2096, 24.8479, 49.1635 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 50.2096, 24.8479, 49.1635 by changing the saturation by 10% instead.

 50.2096, 24.8479,
49.1635


 50.2096, 24.8479,
49.1635

377.9235,
277.0796, 400.0266


 35.7984, 15.9638,
34.3827

 89.6753, 51.4104,
90.3177


 24.4480, 9.4985,
22.9080


 115.4606, 69.8575,
117.5282


 15.7928, 5.0678,
14.3209


 145.7680, 92.2611,
149.7190

 9.4676, 2.2871,
8.2029

 180.9628,
119.0055, 187.3087

 5.1069, 0.7669,
4.1354

 221.4104,
150.4752, 230.7157

 2.3455, 0.0000,
1.6999

267.4761,

 0.8178, 0.0000,

187.0545, 280.3587

0.3607

319.5254,
229.1278, 336.6561

■ 0.0000, 0.0000,
0.0000

■ 50.2096, 24.8479,
49.1635

■ 50.2096, 24.8479,
49.1635

■ 50.2079, 24.8472,
49.1543

■ 51.3152, 25.8657,
53.2104

■ 52.9226, 27.8315,
57.5969

■ 55.1755, 31.0316,
62.3732

■ 58.1616, 35.6406,
67.5708

■ 61.9545, 41.8053,
73.2164

66.6187, 49.6538,
79.3336

72.2119, 59.3008,
85.9437

78.7867, 70.8510,
93.0663

86.3919, 84.4010,
100.7196

Harmonies

Analogous

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



41.1670, 24.8479, 100.3755



50.2096, 24.8479, 49.1635



50.8878, 24.8479, 15.6653

Triad

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



50.2096, 24.8479, 49.1635



19.2053, 24.8479, 0.4536



11.2408, 24.8479, 92.9111

Complementary

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



50.2096, 24.8479, 49.1635



36.8061, 71.9385, 17.4244

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.



8.3958, 24.8479, 42.9461



50.2096, 24.8479, 49.1635



11.9347, 24.8479, 2.4971

Square

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



50.2096, 24.8479, 49.1635



30.4267, 24.8479, 0.5802



8.6024, 24.8479, 12.8246



17.9079, 24.8479, 136.3748

Rectangle

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



50.2096, 24.8479, 49.1635



46.2642, 24.8479, 5.6758



8.6024, 24.8479, 12.8246



9.9144, 24.8479, 75.1673

Sweetspot

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



50.2104, 24.8492, 49.1639



72.1970, 59.2749, 85.9269



20.4378, 8.4519, 95.1619



14.9236, 11.7687, 17.7823



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.



50.2104, 24.8492, 49.1639



50.2079, 24.8472, 49.1543



42.0444, 21.5828, 6.1625



18.5737, 18.2128, 21.6382



26.3000, 13.0093, 26.0279



2.6061, 1.2848, 2.7732

Inverse Universe

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



50.2104, 24.8492, 49.1639



50.2079, 24.8472, 49.1543



45.6694, 75.4839, 64.0981



18.5737, 18.2128, 21.6382



26.3000, 13.0093, 26.0279



2.6061, 1.2848, 2.7732

Previews

White Background



This preview shows how the XYZ color 50.2096, 24.8479, 49.1635 looks on a white background.

Color Contrast Check

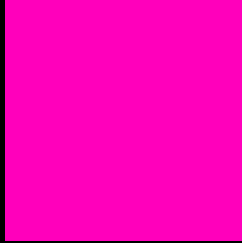
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.2096, 24.8479, 49.1635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

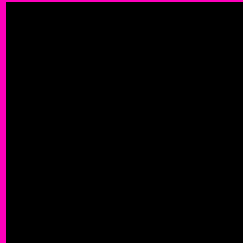
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 50.2096, 24.8479, 49.1635

Background



This preview shows how black text looks on a background with the XYZ color 50.2096, 24.8479, 49.1635.



This preview shows how white text looks on a background with the XYZ color 50.2096, 24.8479,

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

50.2096, 24.8479, 49.1635

Protanopia

29.4767, 25.7661, 98.0275

Deuteranopia

25.9176, 25.3286, 44.0804



Tritanopia

42.1461, 25.2075, 9.6654

Trichromacy



Original Color

50.2096, 24.8479, 49.1635



Protanomaly

28.3466, 17.7856, 76.8018



Deuteranomaly

29.5959, 19.2574, 44.8050



Tritanomaly

43.6517, 23.6414, 19.0922

Monochromacy



Original Color

50.2096, 24.8479, 49.1635



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

19.2695, 12.0255, 22.4246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2096, 24.8479, 49.1635 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(255, 0, 187)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 187)  
}
```

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(255, 0, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 187) }
```

Border

The CSS property to change the border of an element to XYZ 50.2096, 24.8479, 49.1635 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(255, 0, 187) }
```


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

```
.border{ border-color:rgb(255, 0, 187) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 187);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2096, 24.8479, 49.1635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 187) }
```

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

```
.background{ background-color: rgb(255, 0,  
187) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor