

Converting Colors

XYZ(50.2725, 24.8730, 49.4947)

Have a look what the booklet for
XYZ(50.2725, 24.8730, 49.4947)
contains.

XYZ(50.3171, 24.8908, 49.7294)	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(50.3171, 24.8908,
49.7294)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00BC
RGB	255, 0, 188
RGB Percent	100%, 0%, 74%
CMY	0.0000, 0.9998, 0.2627
CMYK	0.00, 1.00, 0.26, 0.00
HSL	316°, 100%, 50%
HSV	316°, 100%, 100%
XYZ	50.3171, 24.8908, 49.7294
YIQ	97.6770, 91.6320, 112.5280

Conversions

Conversions Part 2

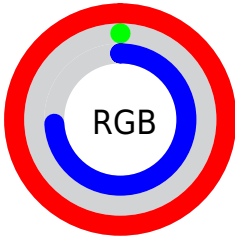
Format	Color
R_{YB}	255, 0, 188
Decimal	16711868
CIE _{Lab}	56.97, 89.96, -28.21
CIE _{LCh}	57, 94.278, 342.587
Yxy	24.8908, 0.4027, 0.1992
Android (android.graphics.Color)	4294901948 (0xFFFF00BC)
YUV	97.6770, 44.5292, 137.9723
Hunter-Lab	49.8907, 92.7170, -24.1749

Details

The XYZ color **50.3171, 24.8908, 49.7294** 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 **36.7755, 71.9263, 17.2638**, and the grayscale version is **11.4145, 12.0090, 13.0778**.

A 20% lighter version of the original color is **62.3205, 37.2944, 89.5018**, and **26.2954, 13.0587, 23.6889** is the 20% darker color. If you saturate the color by 10%, you get **50.3156, 24.8902, 49.7213**, and if you desaturate by 10%, it is **51.4163, 25.9059, 53.7436**.

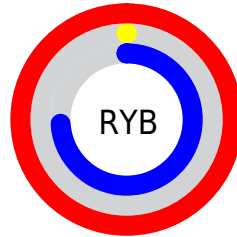
Distribution



Red (100%)

Green (0%)

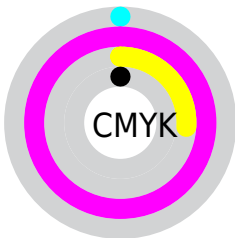
Blue (74%)



Red (100%)

Yellow (0%)

Blue (74%)

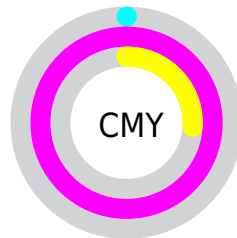


Cyan (0%)

Magenta (100%)

Yellow (26%)

Black (0%)



Cyan (0%)


Magenta (100%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.3171, 24.8908, 49.7294 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 50.3171, 24.8908, 49.7294 by changing the saturation by 10% instead.


 50.3171, 24.8908,
49.7294

 50.3171, 24.8908,
49.7294

378.3362,
277.2937, 402.3115

 35.8843, 15.9957,
34.8288


 89.8335, 51.4800,
91.1660


 24.5145, 9.5211,
23.2485


 115.6478, 69.9429,
118.5390


 15.8425, 5.0826,
14.5701


 145.9867, 92.3639,
150.9066

 9.5029, 2.2958,
8.3750

 181.2154,
119.1274, 188.6872

 5.1304, 0.7715,
4.2446

 221.6994,
150.6177, 232.2995

 2.3595, 0.0000,
1.7605

267.8039,

 0.8249, 0.0000,

187.2192, 282.1620

0.4017

319.8944,
229.3164, 338.6931

■ 0.0000, 0.0000,
0.0000

■ 50.3171, 24.8908,
49.7294

■ 50.3171, 24.8908,
49.7294

■ 50.3156, 24.8902,
49.7213

■ 51.4163, 25.9059,
53.7436

■ 53.0164, 27.8686,
58.0923

■ 55.2610, 31.0650,
62.8257

■ 58.2377, 35.6701,
67.9750

■ 62.0203, 41.8303,
73.5669

■ 66.6730, 49.6738,
79.6249

■ 72.2537, 59.3154,
86.1702

■ 78.8149, 70.8598,
93.2224

■ 86.4053, 84.4035,
100.7994

Harmonies

Analogous

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



41.1725, 24.8908, 101.2619



50.3171, 24.8908, 49.7294



51.0877, 24.8908, 15.8743

Triad

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



50.3171, 24.8908, 49.7294



19.3179, 24.8908, 0.4342



11.1971, 24.8908, 92.7764

Complementary

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



50.3171, 24.8908, 49.7294



36.7755, 71.9263, 17.2638

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.



8.3766, 24.8908, 42.6663



50.3171, 24.8908, 49.7294



11.9841, 24.8908, 2.4413

Square

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



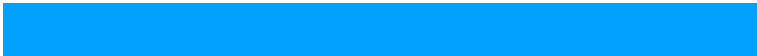
50.3171, 24.8908, 49.7294



30.6126, 24.8908, 0.5778



8.6108, 24.8908, 12.6520



17.8455, 24.8908, 136.7163

Rectangle

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



50.3171, 24.8908, 49.7294



46.4917, 24.8908, 5.7492



8.6108, 24.8908, 12.6520



9.8788, 24.8908, 74.9432

Sweetspot

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



50.3178, 24.8921, 49.7298



72.2404, 59.2923, 86.1554



20.1514, 8.3042, 95.1485



14.9340, 11.7728, 17.8372



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.



50.3178, 24.8921, 49.7298



50.3156, 24.8902, 49.7213



42.1601, 21.6290, 6.7722



18.5769, 18.2141, 21.6549



26.3557, 13.0316, 26.3214



2.6111, 1.2868, 2.7997

Inverse Universe

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



50.3178, 24.8921, 49.7298



50.3156, 24.8902, 49.7213



45.1938, 75.2936, 61.5938



18.5769, 18.2141, 21.6549



26.3557, 13.0316, 26.3214



2.6111, 1.2868, 2.7997

Previews

White Background



This preview shows how the XYZ color 50.3171, 24.8908, 49.7294 looks on a white background.

Color Contrast Check

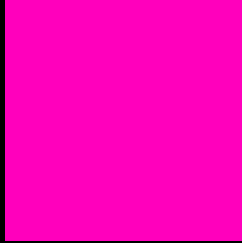
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.3171, 24.8908, 49.7294 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 50.3171, 24.8908, 49.7294

Background



This preview shows how black text looks on a background with the XYZ color 50.3171, 24.8908, 49.7294.



This preview shows how white text looks on a background with the XYZ color 50.3171, 24.8908,

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

50.3171, 24.8908, 49.7294

Protanopia

29.4767, 25.7661, 98.0275

Deuteranopia

25.8605, 25.2878, 44.5923



Tritanopia

42.1817, 25.2218, 9.8528

Trichromacy



Original Color

50.3171, 24.8908, 49.7294



Protanomaly

28.4875, 17.8420, 77.5437



Deuteranomaly

29.4705, 19.1810, 45.3290



Tritanomaly

43.7109, 23.6650, 19.4035

Monochromacy



Original Color

50.3171, 24.8908, 49.7294



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

19.3369, 12.0525, 22.7799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3171, 24.8908, 49.7294 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, 188)` looks like.

```
.text, #text, p{  
    color:rgb(255, 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(255, 0, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 188) }
```

Border

The CSS property to change the border of an element to XYZ 50.3171, 24.8908, 49.7294 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, 188) }
```


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

```
.border{ border-color:rgb(255, 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(255, 0, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 188);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3171, 24.8908, 49.7294 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, 188) }
```

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

```
.background{ background-color: rgb(255, 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](#).

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