

Converting Colors

XYZ(50.9516, 25.3219, 52.5244)

Have a look what the booklet for
XYZ(50.9516, 25.3219, 52.5244)
contains.

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Color

**XYZ(50.9742, 25.3273,
52.6541)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0AC1
RGB	255, 10, 193
RGB Percent	100%, 4%, 76%
CMY	0.0000, 0.9606, 0.2431
CMYK	0.00, 0.96, 0.24, 0.00
HSL	315°, 100%, 52%
HSV	315°, 96%, 100%
XYZ	50.9742, 25.3273, 52.6541
YIQ	104.1170, 87.2770, 108.8530

Conversions

Conversions Part 2

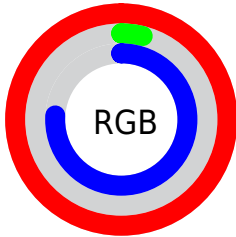
Format	Color
R _Y B	255, 10, 193
Decimal	16714433
CIE Lab	57.39, 89.88, -30.44
CIE LCh	57, 94.899, 341.288
Yxy	25.3273, 0.3953, 0.1964
Android (android.graphics.Color)	4294904513 (0xFFFF0AC1)
YUV	104.1170, 43.8193, 132.3244
Hunter-Lab	50.3262, 92.7273, -26.8041

Details

The XYZ color **50.9742, 25.3273, 52.6541** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light saturated magenta. A complement of this color would be **37.0573, 72.0535, 18.0948**, and the grayscale version is **13.0678, 13.7483, 14.9719**.

A 20% lighter version of the original color is **63.4456, 38.0628, 94.4454**, and **26.6525, 13.2015, 25.5695** is the 20% darker color. If you saturate the color by 10%, you get **50.5841, 24.9976, 51.1355**, and if you desaturate by 10%, it is **52.2192, 26.6397, 56.6998**.

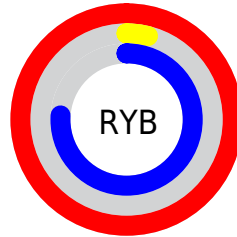
Distribution



Red (100%)

Green (4%)

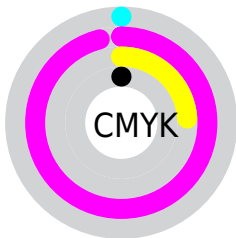
Blue (76%)



Red (100%)

Yellow (4%)

Blue (76%)

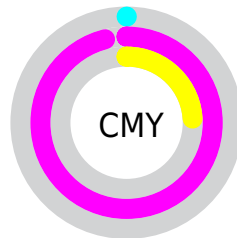


Cyan (0%)

Magenta (96%)

Yellow (24%)

Black (0%)



Cyan (0%)


Magenta (96%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9742, 25.3273, 52.6541 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 50.9742, 25.3273, 52.6541 by changing the saturation by 10% instead.


 50.9742, 25.3273,
52.6541


 50.9742, 25.3273,
52.6541

380.8529,
279.4640, 413.9852


 36.4090, 16.3211,
37.1409


 90.7999, 52.1877,
95.5316


 24.9218, 9.7516,
25.0199


 116.7911, 70.8107,
123.7329

 16.1473, 5.2346,
15.8728


 147.3216, 93.4080,
157.0007

 9.7199, 2.3856,
9.2808

 182.7570,
120.3641, 195.7534

 5.2745, 0.8184,
4.8255

 223.4624,
152.0634, 240.4097

 2.4456, 0.0000,
2.0883

269.8033,

 0.8679, 0.0000,

188.8902, 291.3881

0.6088

322.1450,
231.2289, 349.1071

■ 0.0000, 0.0000,
0.0000

■ 50.9742, 25.3273,
52.6541

■ 50.9742, 25.3273,
52.6541

■ 50.5841, 24.9976,
51.1355

■ 52.2192, 26.6397,
56.6998

■ 54.0412, 29.0552,
61.0947

■ 56.5419, 32.7764,
65.8746

■ 59.8025, 37.9654,
71.0686

■ 63.8926, 44.7606,
76.7015

■ 68.8737, 53.2846,
82.7958

■ 74.8013, 63.6477,
89.3717

■ 81.7264, 75.9513,
96.4478

■ 89.6961, 90.2892,
104.0417

Harmonies

Analogous

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



41.3843, 25.3273, 105.4032



50.9742, 25.3273, 52.6541



52.1807, 25.3273, 17.1277

Triad

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



50.9742, 25.3273, 52.6541



20.0763, 25.3273, 0.4118



11.1880, 25.3273, 92.1187

Complementary

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



50.9742, 25.3273, 52.6541



37.0573, 72.0535, 18.0948

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.



8.4647, 25.3273, 41.5924



50.9742, 25.3273, 52.6541



12.4206, 25.3273, 2.2933

Square

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



50.9742, 25.3273, 52.6541



31.7131, 25.3273, 0.6341



8.8315, 25.3273, 12.0776



17.7702, 25.3273, 137.9678

Rectangle

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



50.9742, 25.3273, 52.6541



47.7378, 25.3273, 6.2753



8.8315, 25.3273, 12.0776



9.8998, 25.3273, 73.9795

Sweetspot

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



50.9748, 25.3285, 52.6545



72.9554, 60.4006, 87.3852



20.7791, 8.7889, 95.2090



15.0751, 11.9836, 18.1040



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.



50.9748, 25.3285, 52.6545



50.5841, 24.9976, 51.1355



42.4958, 21.9370, 8.0048



18.5847, 18.2172, 21.6961



26.4947, 13.0872, 27.0533



2.6237, 1.2919, 2.8658

Inverse Universe

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



50.9748, 25.3285, 52.6545



50.5841, 24.9976, 51.1355



45.5969, 75.4693, 63.0637



18.5847, 18.2172, 21.6961



26.4947, 13.0872, 27.0533



2.6237, 1.2919, 2.8658

Previews

White Background



This preview shows how the XYZ color 50.9742, 25.3273, 52.6541 looks on a white background.

Color Contrast Check

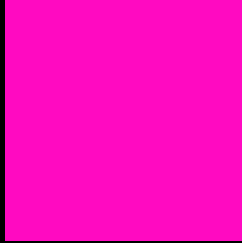
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.9742, 25.3273, 52.6541 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 50.9742, 25.3273, 52.6541

Background



This preview shows how black text looks on a background with the XYZ color 50.9742, 25.3273, 52.6541.



This preview shows how white text looks on a background with the XYZ color 50.9742, 25.3273,

52.6541.

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

50.9742, 25.3273, 52.6541

Protanopia

29.7745, 26.1257, 98.0812

Deuteranopia

26.1979, 25.6116, 47.2788



Tritanopia

42.0384, 25.3409, 10.2650

Trichromacy



Original Color

50.9742, 25.3273, 52.6541



Protanomaly

29.3770, 18.8893, 78.4416



Deuteranomaly

30.0923, 19.9291, 48.1596



Tritanomaly

43.7461, 23.9762, 20.4114

Monochromacy



Original Color

50.9742, 25.3273, 52.6541



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

20.9322, 13.5288, 24.8006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9742, 25.3273, 52.6541 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, 10, 193)` looks like.

```
.text, #text, p{  
    color:rgb(255, 10, 193)  
}
```

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, 10, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 10, 193) }
```

Border

The CSS property to change the border of an element to XYZ 50.9742, 25.3273, 52.6541 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, 10, 193) }
```


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

```
.border{ border-color:rgb(255, 10, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 10, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 10, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 10, 193);  
box-shadow:4px 4px 4px 4px rgb(255, 10,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9742, 25.3273, 52.6541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 10, 193) }
```

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

```
.background{ background-color: rgb(255, 10,  
193) }
```

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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