

Converting Colors

XYZ(50.9518, 25.5254, 51.8979)

Have a look what the booklet for
XYZ(50.9518, 25.5254, 51.8979)
contains.

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Color

**XYZ(50.9873, 25.5315,
52.1099)**

Conversions

Conversions Part 1

Format	Color
Hex	FF13C0
RGB	255, 19, 192
RGB Percent	100%, 7%, 75%
CMY	0.0000, 0.9253, 0.2471
CMYK	0.00, 0.93, 0.25, 0.00
HSL	316°, 100%, 54%
HSV	316°, 93%, 100%
XYZ	50.9873, 25.5315, 52.1099
YIQ	109.2860, 85.1230, 103.8350

Conversions

Conversions Part 2

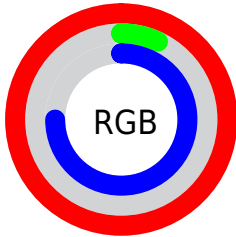
Format	Color
RYB	255, 19, 192
Decimal	16716736
CIELab	57.59, 89.07, -29.56
CIElCh	58, 93.848, 341.639
Yxy	25.5315, 0.3964, 0.1985
Android (android.graphics.Color)	4294906816 (0xFFFF13C0)
YUV	109.2860, 40.7780, 127.7912
Hunter-Lab	50.5287, 91.6948, -25.7753

Details

The XYZ color **50.9873, 25.5315, 52.1099** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **37.5537, 72.2686, 19.9599**, and the grayscale version is **14.4936, 15.2484, 16.6055**.

A 20% lighter version of the original color is **63.4929, 38.4076, 93.6895**, and **26.5798, 13.1724, 25.1864** is the 20% darker color. If you saturate the color by 10%, you get **50.2008, 24.8443, 49.1171**, and if you desaturate by 10%, it is **52.4474, 27.2163, 56.4054**.

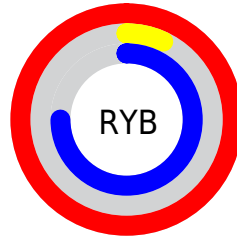
Distribution



Red (100%)

Green (7%)

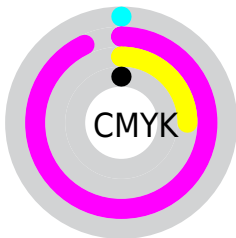
Blue (75%)



Red (100%)

Yellow (7%)

Blue (75%)

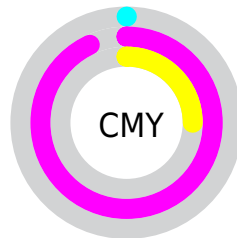


Cyan (0%)

Magenta (93%)

Yellow (25%)

Black (0%)



Cyan (0%)


Magenta (93%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9873, 25.5315, 52.1099 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 50.9873, 25.5315, 52.1099 by changing the saturation by 10% instead.


 50.9873, 25.5315,
52.1099


 50.9873, 25.5315,
52.1099


380.9029,
280.4746, 411.8298


 36.4195, 16.4735,
36.7098


 90.8191, 52.5182,
94.7215


 24.9300, 9.8598,
24.6889

 116.8138, 71.2156,
122.7702


 16.1533, 5.3061,
15.6285


 147.3482, 93.8950,
155.8721

 9.7243, 2.4280,
9.1102

 182.7877,
120.9407, 194.4458

 5.2774, 0.8402,
4.7153

 223.4975,
152.7371, 238.9099

 2.4473, 0.0000,
2.0254

269.8431,

 0.8688, 0.0000,

189.6686, 289.6829

0.5708

322.1898,
232.1197, 347.1833

■ 0.0000, 0.0000,
0.0000

■ 50.9873, 25.5315,
52.1099

■ 50.9873, 25.5315,
52.1099

■ 50.2008, 24.8443,
49.1171

■ 52.4474, 27.2163,
56.4054

■ 54.5265, 30.0826,
61.0814

■ 57.3181, 34.3164,
66.1716

■ 60.8988, 40.0705,
71.7036

■ 65.3350, 47.4769,
77.7018

70.6861, 56.6537,
84.1880

77.0058, 67.7077,
91.1822

84.3437, 80.7375,
98.7029

92.7461, 95.8347,
106.7676

Harmonies

Analogous

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



41.5761, 25.5315, 104.0805



50.9873, 25.5315, 52.1099



52.0671, 25.5315, 17.1191

Triad

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



50.9873, 25.5315, 52.1099



20.1757, 25.5315, 0.5156



11.4667, 25.5315, 92.2297

Complementary

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



50.9873, 25.5315, 52.1099



37.5537, 72.2686, 19.9599

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.



8.6934, 25.5315, 42.1940



50.9873, 25.5315, 52.1099



12.5845, 25.5315, 2.4865

Square

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



50.9873, 25.5315, 52.1099



31.7038, 25.5315, 0.7147



9.0273, 25.5315, 12.5439



18.0947, 25.5315, 137.0633

Rectangle

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



50.9873, 25.5315, 52.1099



47.6117, 25.5315, 6.3721



9.0273, 25.5315, 12.5439



10.1604, 25.5315, 74.3375

Sweetspot

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



50.9880, 25.5328, 52.1103



73.4287, 61.4275, 87.2954



21.7597, 9.4791, 95.2905



15.1571, 12.1737, 18.0513



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.



50.9880, 25.5328, 52.1103



50.2008, 24.8443, 49.1171



42.7127, 22.2227, 8.5335



18.5735, 18.2127, 21.6371



26.2963, 13.0078, 26.0086



2.6058, 1.2847, 2.7714

Inverse Universe

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



50.9880, 25.5328, 52.1103



50.2008, 24.8443, 49.1171



46.4478, 75.8262, 66.7959



18.5735, 18.2127, 21.6371



26.2963, 13.0078, 26.0086



2.6058, 1.2847, 2.7714

Previews

White Background



This preview shows how the XYZ color 50.9873, 25.5315, 52.1099 looks on a white background.

Color Contrast Check

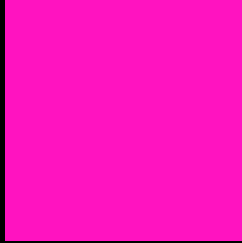
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.9873, 25.5315, 52.1099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

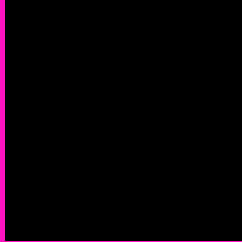
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 50.9873, 25.5315, 52.1099

Background



This preview shows how black text looks on a background with the XYZ color 50.9873, 25.5315, 52.1099.



This preview shows how white text looks on a background with the XYZ color 50.9873, 25.5315,

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

50.9873, 25.5315, 52.1099

Protanopia

29.8559, 26.1676, 98.0850

Deuteranopia

26.4025, 25.7289, 46.7546



Tritanopia

42.1451, 25.4947, 10.4843

Trichromacy



Original Color

50.9873, 25.5315, 52.1099



Protanomaly

29.6352, 19.4057, 78.5277



Deuteranomaly

30.4706, 20.5195, 47.7021



Tritanomaly

43.9323, 24.3486, 20.4734

Monochromacy



Original Color

50.9873, 25.5315, 52.1099



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

22.1449, 14.7143, 26.0991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9873, 25.5315, 52.1099 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, 19, 192)` looks like.

```
.text, #text, p{  
    color:rgb(255, 19, 192)  
}
```

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, 19, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 19, 192) }
```

Border

The CSS property to change the border of an element to XYZ 50.9873, 25.5315, 52.1099 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, 19, 192) }
```


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

```
.border{ border-color:rgb(255, 19, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 19, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 19, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 19, 192);  
box-shadow:4px 4px 4px 4px rgb(255, 19,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9873, 25.5315, 52.1099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 19, 192) }
```

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

```
.background{ background-color: rgb(255, 19,  
192) }
```

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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