

Converting Colors

XYZ(51.3824, 25.3169, 55.3390)

Have a look what the booklet for
XYZ(51.3824, 25.3169, 55.3390)
contains.

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Color

**XYZ(51.4330, 25.3372,
55.6058)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00C6
RGB	255, 0, 198
RGB Percent	100%, 0%, 78%
CMY	0.0000, 0.9998, 0.2235
CMYK	0.00, 1.00, 0.22, 0.00
HSL	313°, 100%, 50%
HSV	313°, 100%, 100%
XYZ	51.4330, 25.3372, 55.6058
YIQ	98.8170, 88.4220, 115.6380

Conversions

Conversions Part 2

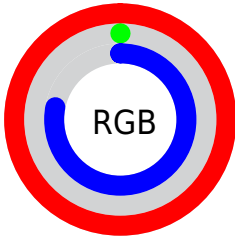
Format	Color
R_{YB}	255, 0, 198
Decimal	16711878
CIE _{Lab}	57.40, 91.06, -33.31
CIE _{LCh}	57, 96.958, 339.908
Yxy	25.3372, 0.3885, 0.1914
Android (android.graphics.Color)	4294901958 (0xFFFF00C6)
YUV	98.8170, 48.8972, 136.9725
Hunter-Lab	50.3361, 94.3018, -30.2619

Details

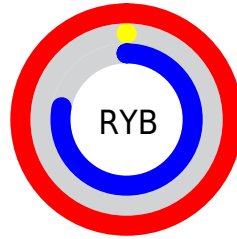
The XYZ color **51.4330, 25.3372, 55.6058** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **36.5006, 71.8163, 15.8165**, and the grayscale version is **11.6874, 12.2961, 13.3904**.

A 20% lighter version of the original color is **64.1402, 38.1805, 98.5967**, and **27.0264, 13.3511, 27.5381** is the 20% darker color. If you saturate the color by 10%, you get **51.4316, 25.3366, 55.5983**, and if you desaturate by 10%, it is **52.4630, 26.3246, 59.2553**.

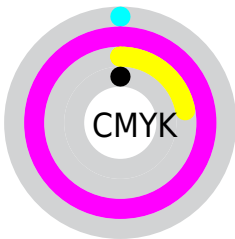
Distribution



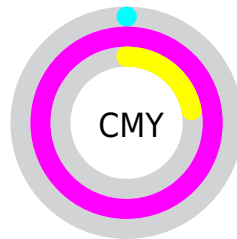
- Red (100%)
- Green (0%)
- Blue (78%)



- Red (100%)
- Yellow (0%)
- Blue (78%)



- Cyan (0%)
- Magenta (100%)
- Yellow (22%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4330, 25.3372, 55.6058 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 51.4330, 25.3372, 55.6058 by changing the saturation by 10% instead.

 51.4330, 25.3372,
55.6058

 51.4330, 25.3372,
55.6058

382.6038,
279.5131, 425.5507


 36.7758, 16.3285,
39.4851


 91.4737, 52.2037,
99.9080


 25.2068, 9.7569,
26.8266


 117.5879, 70.8303,
128.9266


 16.3607, 5.2381,
17.2117

 148.2517, 93.4316,
163.0815

 9.8723, 2.3876,
10.2220

 183.8306,
120.3921, 202.7914

 5.3760, 0.8195,
5.4389

 224.6899,
152.0961, 248.4747

 2.5065, 0.0000,
2.4438

271.1950,

 0.8985, 0.0000,

188.9280, 300.5500

0.8101

323.7111,
231.2722, 359.4358

■ 0.0000, 0.0000,
0.0000

■ 51.4330, 25.3372,
55.6058

■ 51.4330, 25.3372,
55.6058

■ 51.4316, 25.3366,
55.5983

■ 52.4630, 26.3246,
59.2553

■ 53.9849, 28.2561,
63.1920

■ 56.1421, 31.4176,
67.4653

■ 59.0222, 35.9840,
72.1055

■ 62.6986, 42.1018,
77.1383

67.2356, 49.8991,
82.5865

72.6907, 59.4906,
88.4705

79.1164, 70.9808,
94.8088

86.5612, 84.4663,
101.6188

Harmonies

Analogous

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



41.2619, 25.3372, 110.4087



51.4330, 25.3372, 55.6058



53.1384, 25.3372, 18.0527

Triad

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



51.4330, 25.3372, 55.6058



20.4700, 25.3372, 0.2418



10.7786, 25.3372, 91.5374

Complementary

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



51.4330, 25.3372, 55.6058



36.5006, 71.8163, 15.8165

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.



8.1939, 25.3372, 39.9996



51.4330, 25.3372, 55.6058



12.4878, 25.3372, 1.9339

Square

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



51.4330, 25.3372, 55.6058



32.5167, 25.3372, 0.5532



8.6997, 25.3372, 11.0355



17.2491, 25.3372, 140.2570

Rectangle

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



51.4330, 25.3372, 55.6058



48.8232, 25.3372, 6.5117



8.6997, 25.3372, 11.0355



9.5373, 25.3372, 72.8180

Sweetspot

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



51.4337, 25.3385, 55.6062



72.6774, 59.4671, 88.4568



19.6424, 8.0418, 95.1247



15.0392, 11.8149, 18.3909



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.



51.4337, 25.3385, 55.6062



51.4316, 25.3366, 55.5983



42.4198, 21.7329, 8.1398



18.6086, 18.2268, 21.8221



26.9330, 13.2625, 29.3614



2.6631, 1.3076, 3.0730

Inverse Universe

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



51.4337, 25.3385, 55.6062



51.4316, 25.3366, 55.5983



44.2836, 74.9295, 56.8011



18.6086, 18.2268, 21.8221



26.9330, 13.2625, 29.3614



2.6631, 1.3076, 3.0730

Previews

White Background



This preview shows how the XYZ color 51.4330, 25.3372, 55.6058 looks on a white background.

Color Contrast Check

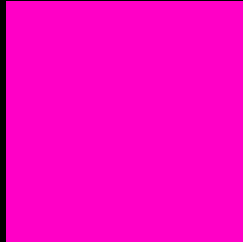
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.4330, 25.3372, 55.6058 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 51.4330, 25.3372, 55.6058

Background



This preview shows how black text looks on a background with the XYZ color 51.4330, 25.3372, 55.6058.



This preview shows how white text looks on a background with the XYZ color 51.4330, 25.3372,

55.6058.

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

51.4330, 25.3372, 55.6058

Protanopia

29.8559, 26.1676, 98.0850

Deuteranopia

26.4550, 25.9061, 49.5050



Tritanopia

42.2534, 25.6508, 10.7067

Trichromacy



Original Color

51.4330, 25.3372, 55.6058



Protanomaly

29.3344, 18.3469, 79.8371



Deuteranomaly

30.1580, 19.5328, 50.8959



Tritanomaly

43.8456, 23.8762, 21.3664

Monochromacy



Original Color

51.4330, 25.3372, 55.6058



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

19.8610, 12.3722, 24.2630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4330, 25.3372, 55.6058 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, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 198)  
}
```

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, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 198) }
```

Border

The CSS property to change the border of an element to XYZ 51.4330, 25.3372, 55.6058 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, 198) }
```


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

```
.border{ border-color:rgb(255, 0, 198) }
```

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, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 198);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4330, 25.3372, 55.6058 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, 198) }
```

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

```
.background{ background-color: rgb(255, 0,  
198) }
```

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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