

Converting Colors

XYZ(51.1909, 25.2403, 54.3306)

Have a look what the booklet for
XYZ(51.1909, 25.2403, 54.3306)
contains.

XYZ(51.2038, 25.2455, 54.3987)	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(51.2038, 25.2455,
54.3987)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00C4
RGB	255, 0, 196
RGB Percent	100%, 0%, 77%
CMY	0.0000, 0.9998, 0.2314
CMYK	0.00, 1.00, 0.23, 0.00
HSL	314°, 100%, 50%
HSV	314°, 100%, 100%
XYZ	51.2038, 25.2455, 54.3987
YIQ	98.5890, 89.0640, 115.0160

Conversions

Conversions Part 2

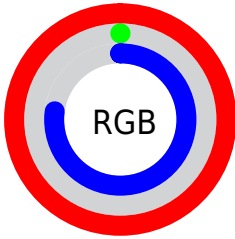
Format	Color
R_YB	255, 0, 196
Decimal	16711876
CIE _{Lab}	57.31, 90.83, -32.30
CIE _{LCh}	57, 96.403, 340.427
Yxy	25.2455, 0.3913, 0.1929
Android (android.graphics.Color)	4294901956 (0xFFFF00C4)
YUV	98.5890, 48.0236, 137.1724
Hunter-Lab	50.2449, 93.9780, -29.0201

Details

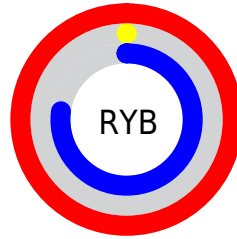
The XYZ color **51.2038, 25.2455, 54.3987** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **36.5516, 71.8367, 16.0846**, and the grayscale version is **11.6324, 12.2382, 13.3274**.

A 20% lighter version of the original color is **63.7210, 37.8546, 96.8767**, and **26.8748, 13.2905, 26.7400** is the 20% darker color. If you saturate the color by 10%, you get **51.2024, 25.2450, 54.3912**, and if you desaturate by 10%, it is **52.2487, 26.2389, 58.1269**.

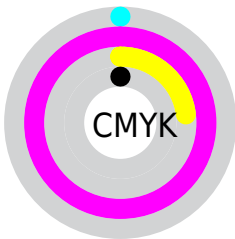
Distribution



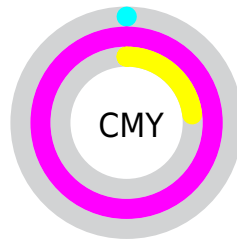
- Red (100%)
- Green (0%)
- Blue (77%)



- Red (100%)
- Yellow (0%)
- Blue (77%)



- Cyan (0%)
- Magenta (100%)
- Yellow (23%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2038, 25.2455, 54.3987 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 51.2038, 25.2455, 54.3987 by changing the saturation by 10% instead.

 51.2038, 25.2455,
54.3987


 51.2038, 25.2455,
54.3987

381.7297,
279.0584, 420.8461


 36.5925, 16.2601,
38.5252


 91.1372, 52.0552,
98.1217


 25.0644, 9.7084,
26.0855


 117.1899, 70.6483,
126.8082

 16.2540, 5.2060,
16.6613


 147.7873, 93.2127,
160.6029

 9.7961, 2.3686,
9.8339

 183.2945,
120.1328, 199.9241

 5.3252, 0.8097,
5.1848

 224.0770,
151.7930, 245.1905

 2.4760, 0.0000,
2.2955

270.5002,

 0.8832, 0.0000,

188.5778, 296.8206

0.7287

322.9293,
230.8714, 355.2330

■ 0.0000, 0.0000,
0.0000

■ 51.2038, 25.2455,
54.3987

■ 51.2038, 25.2455,
54.3987

■ 51.2024, 25.2450,
54.3912

■ 52.2487, 26.2389,
58.1269

■ 53.7872, 28.1769,
62.1512

■ 55.9627, 31.3457,
66.5212

■ 58.8629, 35.9201,
71.2673

■ 62.5612, 42.0466,
76.4156

67.1219, 49.8533,
81.9887

72.6025, 59.4549,
88.0072

79.0556, 70.9560,
94.4899

86.5297, 84.4532,
101.4544

Harmonies

Analogous

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



41.2390, 25.2455, 108.5375



51.2038, 25.2455, 54.3987



52.7206, 25.2455, 17.6041

Triad

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



51.2038, 25.2455, 54.3987



20.2359, 25.2455, 0.2800



10.8598, 25.2455, 91.7694

Complementary

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



51.2038, 25.2455, 54.3987



36.5516, 71.8367, 16.0846

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.



8.2293, 25.2455, 40.5144



51.2038, 25.2455, 54.3987



12.3857, 25.2455, 2.0284

Square

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



51.2038, 25.2455, 54.3987



32.1293, 25.2455, 0.5582



8.6814, 25.2455, 11.3435



17.3646, 25.2455, 139.5296

Rectangle

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



51.2038, 25.2455, 54.3987



48.3486, 25.2455, 6.3551



8.6814, 25.2455, 11.3435



9.6036, 25.2455, 73.2263

Sweetspot

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



51.2045, 25.2468, 54.3991



72.5895, 59.4319, 87.9935



19.6423, 8.0418, 95.1247



15.0180, 11.8064, 18.2793



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.



51.2045, 25.2468, 54.3991



51.2024, 25.2450, 54.3912



42.4198, 21.7329, 8.1397



18.6023, 18.2242, 21.7886



26.8145, 13.2151, 28.7374



2.6524, 1.3034, 3.0172

Inverse Universe

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



51.2045, 25.2468, 54.3991



51.2024, 25.2450, 54.3912



44.2836, 74.9295, 56.8009



18.6023, 18.2242, 21.7886



26.8145, 13.2151, 28.7374



2.6524, 1.3034, 3.0172

Previews

White Background



This preview shows how the XYZ color 51.2038, 25.2455, 54.3987 looks on a white background.

Color Contrast Check

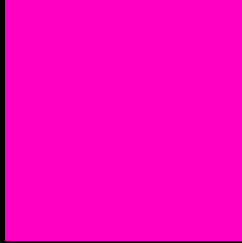
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.2038, 25.2455, 54.3987 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 51.2038, 25.2455, 54.3987

Background



This preview shows how black text looks on a background with the XYZ color 51.2038, 25.2455, 54.3987.



This preview shows how white text looks on a background with the XYZ color 51.2038, 25.2455,

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

51.2038, 25.2455, 54.3987

Protanopia

29.7745, 26.1257, 98.0812

Deuteranopia

26.3950, 25.8994, 48.4077



Tritanopia

42.1451, 25.4947, 10.4843

Trichromacy



Original Color

51.2038, 25.2455, 54.3987



Protanomaly

29.3344, 18.3469, 79.8371



Deuteranomaly

29.9409, 19.4459, 49.7523



Tritanomaly

43.7404, 23.7664, 21.0209

Monochromacy



Original Color

51.2038, 25.2455, 54.3987



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

19.7909, 12.3442, 23.8938

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2038, 25.2455, 54.3987 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, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 196)  
}
```

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, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 196) }
```

Border

The CSS property to change the border of an element to XYZ 51.2038, 25.2455, 54.3987 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, 196) }
```


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

```
.border{ border-color:rgb(255, 0, 196) }
```

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, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2038, 25.2455, 54.3987 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, 196) }
```

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

```
.background{ background-color: rgb(255, 0,  
196) }
```

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