

Converting Colors

XYZ(51.3222, 25.0790, 64.6853)

Have a look what the booklet for
XYZ(51.3222, 25.0790, 64.6853)
contains.

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Color

**XYZ(51.3080, 25.0775,
64.4236)**

Conversions

Conversions Part 1

Format	Color
Hex	FA00D4
RGB	250, 0, 212
RGB Percent	98%, 0%, 83%
CMY	0.0196, 0.9998, 0.1686
CMYK	0.00, 1.00, 0.15, 0.02
HSL	309°, 100%, 49%
HSV	309°, 100%, 98%
XYZ	51.3080, 25.0775, 64.4236
YIQ	98.9180, 80.9480, 118.9320

Conversions

Conversions Part 2

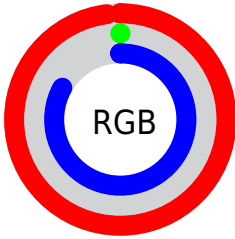
Format	Color
RYB	250, 0, 212
Decimal	16384212
CIELab	57.15, 91.81, -41.78
CIElCh	57, 100.871, 335.531
Yxy	25.0775, 0.3644, 0.1781
Android (android.graphics.Color)	4294574292 (0xFFFA00D4)
YUV	98.9180, 55.7494, 132.4989
Hunter-Lab	50.0774, 95.2508, -41.2212

Details

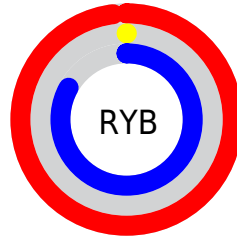
The XYZ color **51.3080, 25.0775, 64.4236** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **34.5372, 68.5123, 13.2422**, and the grayscale version is **11.6970, 12.3062, 13.4014**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **26.8248, 13.1257, 33.0180** is the 20% darker color. If you saturate the color by 10%, you get **51.3073, 25.0772, 64.4184**, and if you desaturate by 10%, it is **52.1424, 25.9693, 67.0955**.

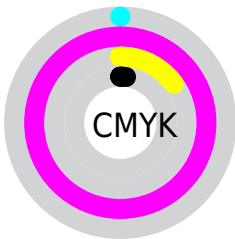
Distribution



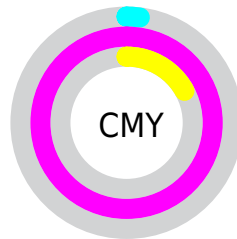
- Red (98%)
- Green (0%)
- Blue (83%)



- Red (98%)
- Yellow (0%)
- Blue (83%)



- Cyan (0%)
- Magenta (100%)
- Yellow (15%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.3080, 25.0775, 64.4236 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 51.3080, 25.0775, 64.4236 by changing the saturation by 10% instead.


 51.3080, 25.0775,
64.4236


 51.3080, 25.0775,
64.4236

382.1272,
278.2237, 458.9671


 36.6758, 16.1348,
46.5455


 91.2902, 51.7829,
112.8261


 25.1291, 9.6196,
32.3247


 117.3709, 70.3144,
144.1875


 16.3025, 5.1475,
21.3428

 147.9985, 92.8110,
180.8805

 9.8307, 2.3341,
13.1811

 183.5383,
119.6571, 223.3235

 5.3482, 0.7916,
7.4212

 224.3558,
151.2369, 271.9352

 2.4898, 0.0000,
3.6445

270.8161,

 0.8901, 0.0000,

187.9351, 327.1340

1.4324

323.2849,
230.1359, 389.3384

■ 0.0000, 0.0000,
0.1668

■ 0.0000, 0.0000,
0.0000

■ 51.3080, 25.0775,
64.4236

■ 51.3080, 25.0775,
64.4236

■ 51.3073, 25.0772,
64.4184

■ 52.1424, 25.9693,
67.0955

■ 53.4331, 27.7562,
69.9754

■ 55.3180, 30.7131,
73.1099

■ 57.8802, 35.0062,
76.5269

■ 61.1895, 40.7749,
80.2501

■ 65.3069, 48.1411,
84.3001

■ 70.2870, 57.2140,
88.6957

■ 76.1797, 68.0932,
93.4536

■ 83.0310, 80.8706,
98.5897

Harmonies

Analogous

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



39.7544, 25.0775, 122.8517



51.3080, 25.0775, 64.4236



54.6247, 25.0775, 21.4648

Triad

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



51.3080, 25.0775, 64.4236



21.6978, 25.0775, 0.0000



9.6451, 25.0775, 85.8167

Complementary

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



51.3080, 25.0775, 64.4236



34.5372, 68.5123, 13.2422

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.



7.5468, 25.0775, 34.1191



51.3080, 25.0775, 64.4236



12.8597, 25.0775, 1.1620

Square

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



51.3080, 25.0775, 64.4236



34.6216, 25.0775, 0.4701



8.4884, 25.0775, 8.1657



15.5603, 25.0775, 140.8775

Rectangle

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



51.3080, 25.0775, 64.4236



51.0098, 25.0775, 7.6833



8.4884, 25.0775, 8.1657



8.5788, 25.0775, 66.3940

Sweetspot

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



51.3089, 25.0788, 64.4241



73.4936, 59.7935, 92.7546



18.0387, 7.3068, 90.9027



15.2362, 11.8937, 19.4284



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.



51.3089, 25.0788, 64.4241



53.6646, 26.2299, 67.3572



41.1674, 21.0222, 11.0198



17.8730, 17.4765, 21.1867



27.2581, 13.3189, 34.3970



2.5543, 1.2455, 3.3423

Inverse Universe

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



51.3089, 25.0788, 64.4241



53.6646, 26.2299, 67.3572



40.7544, 70.9992, 45.9812



17.8730, 17.4765, 21.1867



27.2581, 13.3189, 34.3970



2.5543, 1.2455, 3.3423

Previews

White Background



This preview shows how the XYZ color 51.3080, 25.0775, 64.4236 looks on a white background.

Color Contrast Check

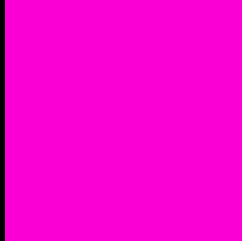
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.3080, 25.0775, 64.4236 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 51.3080, 25.0775, 64.4236

Background



This preview shows how black text looks on a background with the XYZ color 51.3080, 25.0775, 64.4236.



This preview shows how white text looks on a background with the XYZ color 51.3080, 25.0775,

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

51.3080, 25.0775, 64.4236

Protanopia

29.6156, 26.0438, 98.0738

Deuteranopia

26.3247, 25.6597, 57.5982



Tritanopia

40.4513, 25.2418, 11.9727

Trichromacy



Original Color

51.3080, 25.0775, 64.4236



Protanomaly

29.5552, 18.3765, 83.6506



Deuteranomaly

29.6171, 19.0685, 59.2463



Tritanomaly

42.4689, 23.2943, 24.4482

Monochromacy



Original Color

51.3080, 25.0775, 64.4236



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

19.8376, 12.3185, 26.1431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3080, 25.0775, 64.4236 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(250, 0, 212)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 212)  
}
```

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(250, 0, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 212) }
```

Border

The CSS property to change the border of an element to XYZ 51.3080, 25.0775, 64.4236 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(250, 0, 212) }
```


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

```
.border{ border-color:rgb(250, 0, 212) }
```

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

Here you see how a box with a 4 pixel rgb(250, 0, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 212);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3080, 25.0775, 64.4236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 212) }
```

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

```
.background{ background-color: rgb(250, 0,  
212) }
```

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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