

Converting Colors

XYZ(50.2977, 24.6692, 59.2903)

Have a look what the booklet for
XYZ(50.2977, 24.6692, 59.2903)
contains.

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Color

**XYZ(50.3234, 24.6836,
59.2388)**

Conversions

Conversions Part 1

Format	Color
Hex	FA00CC
RGB	250, 0, 204
RGB Percent	98%, 0%, 80%
CMY	0.0196, 0.9998, 0.2000
CMYK	0.00, 1.00, 0.18, 0.02
HSL	311°, 100%, 49%
HSV	311°, 100%, 98%
XYZ	50.3234, 24.6836, 59.2388
YIQ	98.0060, 83.5160, 116.4440

Conversions

Conversions Part 2

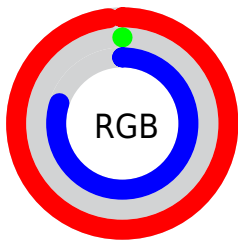
Format	Color
RYB	250, 0, 204
Decimal	16384204
CIELab	56.77, 90.85, -37.81
CIElCh	57, 98.405, 337.402
Yxy	24.6836, 0.3749, 0.1839
Android (android.graphics.Color)	4294574284 (0xFFFA00CC)
YUV	98.0060, 52.2550, 133.2987
Hunter-Lab	49.6826, 93.8578, -35.9163

Details

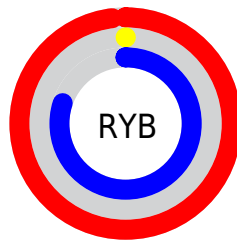
The XYZ color **50.3234, 24.6836, 59.2388** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **34.6806, 68.5696, 13.9975**, and the grayscale version is **11.4781, 12.0758, 13.1506**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **26.1639, 12.8613, 29.5373** is the 20% darker color. If you saturate the color by 10%, you get **50.3226, 24.6833, 59.2331**, and if you desaturate by 10%, it is **51.2326, 25.6053, 62.3052**.

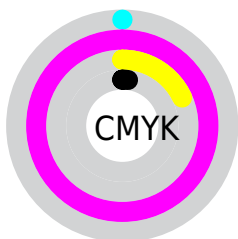
Distribution



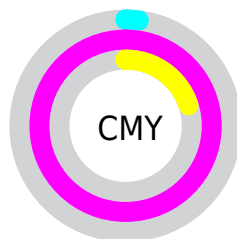
- Red (98%)
- Green (0%)
- Blue (80%)



- Red (98%)
- Yellow (0%)
- Blue (80%)



- Cyan (0%)
- Magenta (100%)
- Yellow (18%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.3234, 24.6836, 59.2388 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 50.3234, 24.6836, 59.2388 by changing the saturation by 10% instead.


 50.3234, 24.6836,
59.2388

 50.3234, 24.6836,
59.2388

378.3604,
276.2586, 439.5128

 35.8893, 15.8415,
42.3841


 89.8428, 51.1435,
105.2572


 24.5184, 9.4121,
29.0744


 115.6588, 69.5300,
135.2580


 15.8454, 5.0109,
18.8910


 145.9995, 91.8668,
170.4778

 9.5050, 2.2537,
11.4155

 181.2302,
118.5383, 211.3354

 5.1317, 0.7490,
6.2294

 221.7163,
149.9288, 258.2491

 2.3603, 0.0000,
2.9140

267.8231,

 0.8253, 0.0000,

186.4227, 311.6375

1.0509

319.9160,
228.4045, 371.9193

■ 0.0000, 0.0000,
0.0000

■ 50.3234, 24.6836,
59.2388

■ 50.3234, 24.6836,
59.2388

■ 50.3226, 24.6833,
59.2331

■ 51.2326, 25.6053,
62.3052

■ 52.6033, 27.4241,
65.6064

■ 54.5733, 30.4150,
69.1891

■ 57.2258, 34.7440,
73.0818

■ 60.6306, 40.5508,
77.3084

■ 64.8488, 47.9572,
81.8898

■ 69.9351, 57.0725,
86.8449

■ 75.9395, 67.9962,
92.1911

■ 82.9079, 80.8203,
97.9442

Harmonies

Analogous

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



39.5924, 24.6836, 114.9216



50.3234, 24.6836, 59.2388



52.8793, 24.6836, 19.5245

Triad

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



50.3234, 24.6836, 59.2388



20.7297, 24.6836, 0.0201



9.9278, 24.6836, 86.4972

Complementary

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



50.3234, 24.6836, 59.2388



34.6806, 68.5696, 13.9975

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.



7.6693, 24.6836, 35.8745



50.3234, 24.6836, 59.2388



12.4419, 24.6836, 1.4390

Square

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



50.3234, 24.6836, 59.2388



33.0107, 24.6836, 0.4910



8.4091, 24.6836, 9.1631



15.9574, 24.6836, 137.7491

Rectangle

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



50.3234, 24.6836, 59.2388



49.0336, 24.6836, 7.0129



8.4091, 24.6836, 9.1631



8.8100, 24.6836, 67.7532

Sweetspot

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



50.3243, 24.6849, 59.2392



73.1255, 59.6463, 90.8160



18.3771, 7.4812, 90.9185



15.1472, 11.8581, 18.9598



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.



50.3243, 24.6849, 59.2392



52.6338, 25.8175, 61.9289



40.8438, 20.8927, 9.3158



17.8480, 17.4665, 21.0551



26.7423, 13.1126, 31.6811



2.5112, 1.2282, 3.1152

Inverse Universe

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



50.3243, 24.6849, 59.2392



52.6338, 25.8175, 61.9289



41.5229, 71.3065, 50.0283



17.8480, 17.4665, 21.0551



26.7423, 13.1126, 31.6811



2.5112, 1.2282, 3.1152

Previews

White Background



This preview shows how the XYZ color 50.3234, 24.6836, 59.2388 looks on a white background.

Color Contrast Check

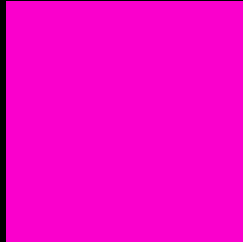
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.3234, 24.6836, 59.2388 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 50.3234, 24.6836, 59.2388

Background



This preview shows how black text looks on a background with the XYZ color 50.3234, 24.6836, 59.2388.



This preview shows how white text looks on a background with the XYZ color 50.3234, 24.6836,

59.2388.

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

50.3234, 24.6836, 59.2388

Protanopia

29.3228, 25.6867, 98.0203

Deuteranopia

25.8159, 25.2918, 52.8114



Tritanopia

40.4435, 24.9185, 11.2725

Trichromacy



Original Color

50.3234, 24.6836, 59.2388



Protanomaly

28.7053, 17.8715, 81.2935



Deuteranomaly

29.3084, 19.0174, 54.3506



Tritanomaly

42.3883, 23.1593, 22.6581

Monochromacy



Original Color

50.3234, 24.6836, 59.2388



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

19.3749, 12.0237, 24.9665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3234, 24.6836, 59.2388 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 204) }
```

Border

The CSS property to change the border of an element to XYZ 50.3234, 24.6836, 59.2388 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, 204) }
```


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

```
.border{ border-color:rgb(250, 0, 204) }
```

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, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3234, 24.6836, 59.2388 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, 204) }
```

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

```
.background{ background-color: rgb(250, 0,  
204) }
```

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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