

Converting Colors

XYZ(51.4212, 24.8916, 75.4638)

Have a look what the booklet for
XYZ(51.4212, 24.8916, 75.4638)
contains.

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Color

**XYZ(51.3118, 24.8345,
75.4879)**

Conversions

Conversions Part 1

Format	Color
Hex	F400E4
RGB	244, 0, 228
RGB Percent	96%, 0%, 89%
CMY	0.0431, 0.9998, 0.1059
CMYK	0.00, 1.00, 0.07, 0.04
HSL	304°, 100%, 48%
HSV	304°, 100%, 96%
XYZ	51.3118, 24.8345, 75.4879
YIQ	98.9480, 72.2360, 122.6360

Conversions

Conversions Part 2

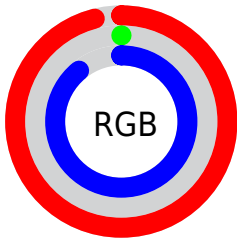
Format	Color
R_{YB}	244, 0, 228
Decimal	15991012
CIE _{Lab}	56.91, 92.84, -51.30
CIE _{LCh}	57, 106.072, 331.078
Yxy	24.8345, 0.3384, 0.1638
Android (android.graphics.Color)	4294181092 (0xFFFF400E4)
YUV	98.9480, 63.6226, 127.2106
Hunter-Lab	49.8342, 96.5826, -54.9274

Details

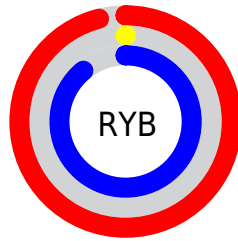
The XYZ color **51.3118, 24.8345, 75.4879** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **32.4454, 64.7399, 11.2779**, and the grayscale version is **11.6855, 12.2940, 13.3882**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **26.9748, 13.0458, 40.1261** is the 20% darker color. If you saturate the color by 10%, you get **51.3119, 24.8346, 75.4862**, and if you desaturate by 10%, it is **51.8714, 25.5958, 76.7759**.

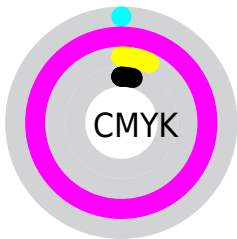
Distribution



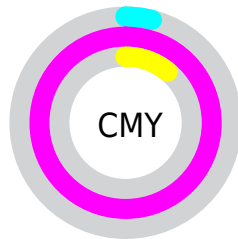
- Red (96%)
- Green (0%)
- Blue (89%)



- Red (96%)
- Yellow (0%)
- Blue (89%)



- Cyan (0%)
- Magenta (100%)
- Yellow (7%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.3118, 24.8345, 75.4879 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 51.3118, 24.8345, 75.4879 by changing the saturation by 10% instead.


 51.3118, 24.8345,
75.4879

 51.3118, 24.8345,
75.4879

382.1417,
277.0127, 498.8930


 36.6789, 15.9538,
55.5086


 91.2957, 51.3886,
128.7562

 25.1315, 9.4915,
39.4077


 117.3775, 69.8308,
162.8823

 16.3043, 5.0631,
26.7668


 148.0062, 92.2289,
202.5609

 9.8319, 2.2843,
17.1672

 183.5472,
118.9674, 248.2108

 5.3491, 0.7654,
10.1906

 224.3659,
150.4307, 300.2504

 2.4904, 0.0000,
5.4183

270.8277,

 0.8904, 0.0000,

187.0030, 359.0983

2.4317

323.2978,
229.0689, 425.1729

■ 0.0000, 0.0000,
0.8036

■ 0.0000, 0.0000,
0.0000

■ 51.3118, 24.8345,
75.4879

■ 51.3118, 24.8345,
75.4879

■ 51.3119, 24.8346,
75.4862

■ 51.8714, 25.5958,
76.7759

■ 52.8527, 27.1977,
78.2144

■ 54.3868, 29.9023,
79.8474

■ 56.5521, 33.8657,
81.7011

■ 59.4142, 39.2193,
83.7972

■ 63.0303, 46.0778,
86.1550

■ 67.4521, 54.5441,
88.7916

■ 72.7263, 64.7120,
91.7227

■ 78.8962, 76.6681,
94.9628

Harmonies

Analogous

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



38.2160, 24.8345, 138.2322



51.3118, 24.8345, 75.4879



56.4706, 24.8345, 25.7730

Triad

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



51.3118, 24.8345, 75.4879



23.1576, 24.8345, 0.0000



8.4818, 24.8345, 79.9974

Complementary

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



51.3118, 24.8345, 75.4879



32.4454, 64.7399, 11.2779

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.



6.8653, 24.8345, 28.3490



51.3118, 24.8345, 75.4879



13.2918, 24.8345, 0.5090

Square

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



51.3118, 24.8345, 75.4879



37.1521, 24.8345, 0.3694



8.2566, 24.8345, 5.6086



13.8300, 24.8345, 142.0893

Rectangle

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



51.3118, 24.8345, 75.4879



53.6655, 24.8345, 9.1384



8.2566, 24.8345, 5.6086



7.5895, 24.8345, 59.8825

Sweetspot

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



51.3128, 24.8357, 75.4884



74.5126, 60.2012, 98.1208



16.4848, 6.6126, 85.9964



15.4834, 11.9926, 20.7302



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.



51.3128, 24.8357, 75.4884



56.7131, 27.4492, 83.4100



40.1140, 20.3562, 16.5166



17.1639, 16.7484, 20.6099



27.9204, 13.5116, 41.1505



2.4678, 1.1931, 3.6900

Inverse Universe

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



51.3128, 24.8357, 75.4884



56.7131, 27.4492, 83.4100



36.6700, 66.4298, 33.5243



17.1639, 16.7484, 20.6099



27.9204, 13.5116, 41.1505



2.4678, 1.1931, 3.6900

Previews

White Background



This preview shows how the XYZ color 51.3118, 24.8345, 75.4879 looks on a white background.

Color Contrast Check

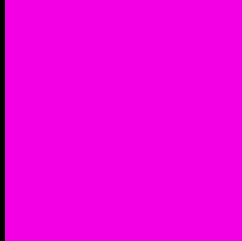
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.3118, 24.8345, 75.4879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

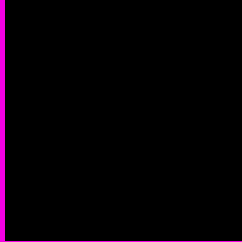
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 51.3118, 24.8345, 75.4879

Background



This preview shows how black text looks on a background with the XYZ color 51.3118, 24.8345, 75.4879.



This preview shows how white text looks on a background with the XYZ color 51.3118, 24.8345,

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

51.3118, 24.8345, 75.4879

Protanopia

29.3228, 25.6867, 98.0203

Deuteranopia

26.2631, 25.6287, 67.1809



Tritanopia

38.6767, 25.1275, 13.6381

Trichromacy



Original Color

51.3118, 24.8345, 75.4879



Protanomaly

29.7216, 18.2405, 88.3405



Deuteranomaly

29.0384, 18.6732, 69.0916



Tritanomaly

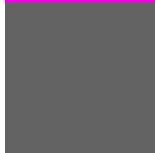
41.0131, 22.7423, 28.2147

Monochromacy



Original Color

51.3118, 24.8345, 75.4879



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

19.9147, 12.3057, 28.5198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3118, 24.8345, 75.4879 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(244, 0, 228)` looks like.

```
.text, #text, p{  
    color:rgb(244, 0, 228)  
}
```

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(244, 0, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 0, 228) }
```

Border

The CSS property to change the border of an element to XYZ 51.3118, 24.8345, 75.4879 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(244, 0, 228) }
```


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

```
.border{ border-color:rgb(244, 0, 228) }
```

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

Here you see how a box with a 4 pixel rgb(244, 0, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 0, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 0, 228);  
box-shadow:4px 4px 4px 4px rgb(244, 0,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3118, 24.8345, 75.4879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 0, 228) }
```

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

```
.background{ background-color: rgb(244, 0,  
228) }
```

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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