

Converting Colors

XYZ(51.0759, 24.9805, 63.3881)

Have a look what the booklet for
XYZ(51.0759, 24.9805, 63.3881)
contains.

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Color

**XYZ(51.0572, 24.9771,
63.1028)**

Conversions

Conversions Part 1

Format	Color
Hex	FA00D2
RGB	250, 0, 210
RGB Percent	98%, 0%, 82%
CMY	0.0196, 0.9998, 0.1765
CMYK	0.00, 1.00, 0.16, 0.02
HSL	310°, 100%, 49%
HSV	310°, 100%, 98%
XYZ	51.0572, 24.9771, 63.1028
YIQ	98.6900, 81.5900, 118.3100

Conversions

Conversions Part 2

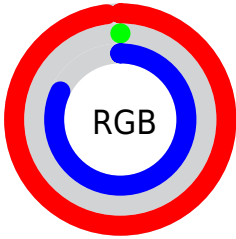
Format	Color
RYB	250, 0, 210
Decimal	16384210
CIELab	57.05, 91.57, -40.79
CIELCh	57, 100.244, 335.987
Yxy	24.9771, 0.3670, 0.1795
Android (android.graphics.Color)	4294574290 (0xFFFA00D2)
YUV	98.6900, 54.8758, 132.6989
Hunter-Lab	49.9771, 94.8978, -39.8776

Details

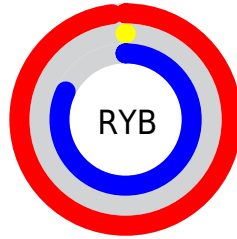
The XYZ color **51.0572, 24.9771, 63.1028** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **34.5703, 68.5256, 13.4166**, and the grayscale version is **11.6415, 12.2477, 13.3378**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **26.6554, 13.0579, 32.1259** is the 20% darker color. If you saturate the color by 10%, you get **51.0566, 24.9769, 63.0979**, and if you desaturate by 10%, it is **51.9111, 25.8766, 65.8778**.

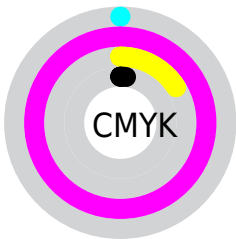
Distribution



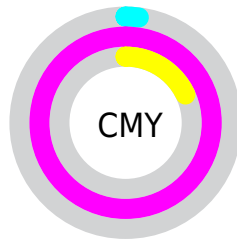
- Red (98%)
- Green (0%)
- Blue (82%)



- Red (98%)
- Yellow (0%)
- Blue (82%)



- Cyan (0%)
- Magenta (100%)
- Yellow (16%)
- Black (2%)



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

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.0572, 24.9771, 63.1028 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 51.0572, 24.9771, 63.1028 by changing the saturation by 10% instead.

 51.0572, 24.9771,
63.1028


 51.0572, 24.9771,
63.1028


381.1700,
277.7239, 454.0607

 36.4754, 16.0600,
45.4828


 90.9218, 51.6201,
110.9048


 24.9734, 9.5666,
31.4922


 116.9353, 70.1147,
141.9240

 16.1858, 5.1126,
20.7123


 147.4900, 92.5707,
178.2466

 9.7474, 2.3135,
12.7247

 182.9514,
119.3723, 220.2912

 5.2928, 0.7808,
7.1108

 223.6847,
150.9041, 268.4764

 2.4566, 0.0000,
3.4520

270.0553,

 0.8734, 0.0000,

187.5503, 323.2207

1.3298

322.4286,
229.6955, 384.9426

■ 0.0000, 0.0000,
0.0860

■ 0.0000, 0.0000,
0.0000

■ 51.0572, 24.9771,
63.1028

■ 51.0572, 24.9771,
63.1028

■ 51.0566, 24.9769,
63.0979

■ 51.9111, 25.8766,
65.8778

■ 53.2225, 27.6716,
68.8671

■ 55.1293, 30.6371,
72.1172

■ 57.7146, 34.9392,
75.6562

61.0481, 40.7174,
79.5079

65.1910, 48.0935,
83.6930

70.1978, 57.1769,
88.2301

76.1185, 68.0670,
93.1363

82.9991, 80.8559,
98.4274

Harmonies

Analogous

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



39.7102, 24.9771, 120.8366



51.0572, 24.9771, 63.1028



54.1824, 24.9771, 20.9698

Triad

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



51.0572, 24.9771, 63.1028



21.4528, 24.9771, 0.0000



9.7141, 24.9771, 85.9762

Complementary

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



51.0572, 24.9771, 63.1028



34.5703, 68.5256, 13.4166

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.



7.5766, 24.9771, 34.5462



51.0572, 24.9771, 63.1028



12.7541, 24.9771, 1.2271

Square

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



51.0572, 24.9771, 63.1028



34.2137, 24.9771, 0.4754



8.4681, 24.9771, 8.4057



15.6570, 24.9771, 140.0808

Rectangle

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



51.0572, 24.9771, 63.1028



50.5092, 24.9771, 7.5126



8.4681, 24.9771, 8.4057



8.6352, 24.9771, 66.7228

Sweetspot

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



51.0581, 24.9784, 63.1033



73.4011, 59.7566, 92.2676



18.0385, 7.3067, 90.9028



15.2138, 11.8848, 19.3106



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.



51.0581, 24.9784, 63.1033



53.4021, 26.1248, 65.9747



41.1673, 21.0221, 11.0192



17.8667, 17.4740, 21.1538



27.1268, 13.2664, 33.7056



2.5433, 1.2411, 3.2846

Inverse Universe

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



51.0581, 24.9784, 63.1033



53.4021, 26.1248, 65.9747



40.7542, 70.9992, 45.9805



17.8667, 17.4740, 21.1538



27.1268, 13.2664, 33.7056



2.5433, 1.2411, 3.2846

Previews

White Background



This preview shows how the XYZ color 51.0572, 24.9771, 63.1028 looks on a white background.

Color Contrast Check

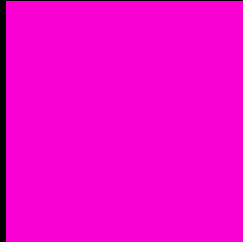
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.0572, 24.9771, 63.1028 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 51.0572, 24.9771, 63.1028

Background



This preview shows how black text looks on a background with the XYZ color 51.0572, 24.9771, 63.1028.



This preview shows how white text looks on a background with the XYZ color 51.0572, 24.9771,

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

51.0572, 24.9771, 63.1028

Protanopia

29.4767, 25.7661, 98.0275

Deuteranopia

26.2262, 25.6355, 56.3892



Tritanopia

40.4102, 25.2254, 11.7560

Trichromacy



Original Color

51.0572, 24.9771, 63.1028



Protanomaly

29.4759, 18.2180, 83.6242



Deuteranomaly

29.5859, 19.0800, 58.0006



Tritanomaly

42.4001, 23.2668, 24.0860

Monochromacy



Original Color

51.0572, 24.9771, 63.1028



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

19.7641, 12.2891, 25.7564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0572, 24.9771, 63.1028 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, 210)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 210)  
}
```

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, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 210) }
```

Border

The CSS property to change the border of an element to XYZ 51.0572, 24.9771, 63.1028 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, 210) }
```


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

```
.border{ border-color:rgb(250, 0, 210) }
```

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, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 210);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0572, 24.9771, 63.1028 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, 210) }
```

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

```
.background{ background-color: rgb(250, 0,  
210) }
```

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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