

Converting Colors

XYZ(51.5149, 24.7454, 84.2545)

Have a look what the booklet for
XYZ(51.5149, 24.7454, 84.2545)
contains.

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Color

**XYZ(51.6634, 24.8165,
84.5052)**

Conversions

Conversions Part 1

Format	Color
Hex	F000F0
RGB	240, 0, 240
RGB Percent	94%, 0%, 94%
CMY	0.0588, 0.9999, 0.0588
CMYK	0.00, 1.00, 0.00, 0.06
HSL	300°, 100%, 47%
HSV	300°, 100%, 94%
XYZ	51.6634, 24.8165, 84.5052
YIQ	99.1200, 66.0000, 125.5200

Conversions

Conversions Part 2

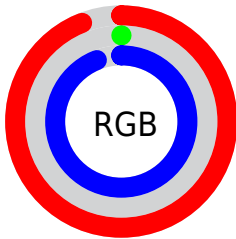
Format	Color
R _Y B	240, 0, 240
Decimal	15728880
CIE Lab	56.90, 93.85, -58.11
CIE LCh	57, 110.383, 328.233
Yxy	24.8165, 0.3209, 0.1542
Android (android.graphics.Color)	4293918960 (0xFFFF00F0)
YUV	99.1200, 69.4538, 123.5518
Hunter-Lab	49.8162, 97.9407, -65.7047

Details

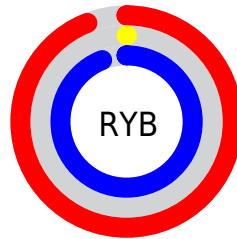
The XYZ color **51.6634, 24.8165, 84.5052** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **31.1613, 62.3216, 10.3880**, and the grayscale version is **11.7145, 12.3245, 13.4214**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **27.1376, 13.0026, 45.8792** is the 20% darker color. If you saturate the color by 10%, you get **51.6640, 24.8169, 84.5056**, and if you desaturate by 10%, it is **51.9914, 25.4716, 84.6148**.

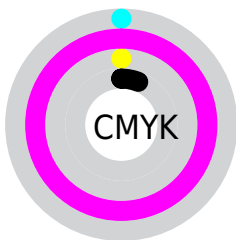
Distribution



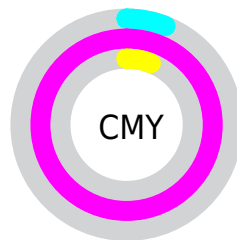
- Red (94%)
- Green (0%)
- Blue (94%)



- Red (94%)
- Yellow (0%)
- Blue (94%)



- Cyan (0%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6634, 24.8165, 84.5052 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 51.6634, 24.8165, 84.5052 by changing the saturation by 10% instead.


 51.6634, 24.8165,
84.5052


 51.6634, 24.8165,
84.5052


383.4811,
276.9229, 530.0912


 36.9600, 15.9404,
62.8848


 91.8118, 51.3594,
141.5497

 25.3501, 9.4820,
45.3076


 117.9876, 69.7949,
177.8109


 16.4682, 5.0569,
31.3551


 148.7181, 92.1858,
219.7894

 9.9490, 2.2807,
20.6087

 184.3689,
118.9163, 267.9038

 5.4272, 0.7635,
12.6498

 225.3053,
150.3708, 322.5727

 2.5373, 0.0000,
7.0600

271.8925,

 0.9141, 0.0000,

186.9339, 384.2145

3.4206

324.4960,
228.9897, 453.2478

■ 0.0000, 0.0000,
1.3132

■ 0.0000, 0.0000,
0.0726

■ 51.6634, 24.8165,
84.5052

■ 51.6634, 24.8165,
84.5052

■ 51.6640, 24.8169,
84.5056

■ 51.9914, 25.4716,
84.6148

■ 52.7225, 26.9338,
84.8586

■ 53.9838, 29.4563,
85.2791

■ 55.8503, 33.1893,
85.9014

■ 58.3850, 38.2587,
86.7464

■ 61.6430, 44.7746,
87.8325

■ 65.6737, 52.8359,
89.1761

■ 70.5220, 62.5326,
90.7924

■ 76.2297, 73.9479,
92.6950

Harmonies

Analogous

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



37.4095, 24.8165, 150.8000



51.6634, 24.8165, 84.5052



58.1807, 24.8165, 29.2768

Triad

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



51.6634, 24.8165, 84.5052



24.3624, 24.8165, 0.0000



7.7651, 24.8165, 76.6298

Complementary

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



51.6634, 24.8165, 84.5052



31.1613, 62.3216, 10.3880

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.



6.4437, 24.8165, 24.8841



51.6634, 24.8165, 84.5052



13.6737, 24.8165, 0.0591

Square

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



51.6634, 24.8165, 84.5052



39.2448, 24.8165, 0.2971



8.1364, 24.8165, 4.1988



12.7711, 24.8165, 143.9962

Rectangle

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



51.6634, 24.8165, 84.5052



55.9529, 24.8165, 10.3062



8.1364, 24.8165, 4.1988



6.9783, 24.8165, 55.9775

Sweetspot

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



51.6644, 24.8177, 84.5057



75.3100, 60.5201, 102.3197



15.7293, 6.2924, 82.8250



15.6777, 12.0703, 21.7534



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.



51.6644, 24.8177, 84.5057



59.2898, 28.4799, 96.9788



39.3275, 19.8829, 19.5403



16.4543, 16.0314, 19.9487



28.2812, 13.5849, 46.2589



2.3527, 1.1301, 3.8483

Inverse Universe

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



51.6644, 24.8177, 84.5057



59.2898, 28.4799, 96.9788



34.5524, 63.6780, 28.2453



16.4543, 16.0314, 19.9487



28.2812, 13.5849, 46.2589



2.3527, 1.1301, 3.8483

Previews

White Background



This preview shows how the XYZ color 51.6634, 24.8165, 84.5052 looks on a white background.

Color Contrast Check

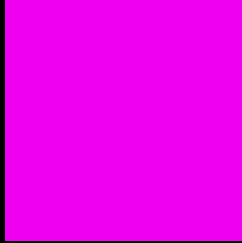
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.6634, 24.8165, 84.5052 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 51.6634, 24.8165, 84.5052

Background



This preview shows how black text looks on a background with the XYZ color 51.6634, 24.8165, 84.5052.



This preview shows how white text looks on a background with the XYZ color 51.6634, 24.8165,

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

51.6634, 24.8165, 84.5052

Protanopia

29.2476, 25.6479, 98.0168

Deuteranopia

26.2956, 25.4618, 75.4802



Tritanopia

37.3543, 24.9331, 14.9004

Trichromacy



Original Color

51.6634, 24.8165, 84.5052



Protanomaly

30.1767, 18.3857, 92.4008



Deuteranomaly

28.5610, 18.2379, 77.6162



Tritanomaly

39.8349, 22.2891, 31.4808

Monochromacy



Original Color

51.6634, 24.8165, 84.5052



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

19.8602, 12.2411, 30.1702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6634, 24.8165, 84.5052 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(240, 0, 240)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 240)  
}
```

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(240, 0, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 240) }
```

Border

The CSS property to change the border of an element to XYZ 51.6634, 24.8165, 84.5052 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(240, 0, 240) }
```


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

```
.border{ border-color:rgb(240, 0, 240) }
```

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

Here you see how a box with a 4 pixel rgb(240, 0, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 240);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6634, 24.8165, 84.5052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 240) }
```

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

```
.background{ background-color: rgb(240, 0,  
240) }
```

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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