

Converting Colors

XYZ(51.3320, 24.6722, 83.2914)

Have a look what the booklet for
XYZ(51.3320, 24.6722, 83.2914)
contains.

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Color

**XYZ(51.3678, 24.6983,
82.9488)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F000EE |
| RGB | 240, 0, 238 |
| RGB Percent | 94%, 0%, 93% |
| CMY | 0.0588, 0.9998, 0.0667 |
| CMYK | 0.00, 1.00, 0.01, 0.06 |
| HSL | 301°, 100%, 47% |
| HSV | 301°, 100%, 94% |
| XYZ | 51.3678, 24.6983, 82.9488 |
| YIQ | 98.8920, 66.6420, 124.8980 |

Conversions

Conversions Part 2

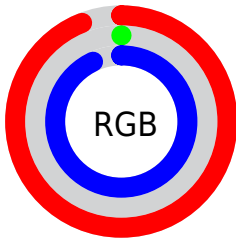
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 240, 0, 238 |
| Decimal | 15728878 |
| CIE _{Lab} | 56.78, 93.57, -57.18 |
| CIE _{LCh} | 57, 109.654, 328.571 |
| Yxy | 24.6983, 0.3230, 0.1553 |
| Android (android.graphics.Color) | 4293918958 (0xFFFF00EE) |
| YUV | 98.8920, 68.5802, 123.7517 |
| Hunter-Lab | 49.6974, 97.5293, -64.1715 |

Details

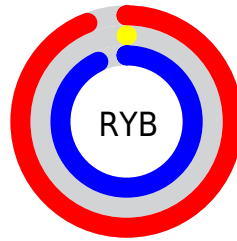
The XYZ color **51.3678, 24.6983, 82.9488** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **31.1722, 62.3258, 10.4457**, and the grayscale version is **11.6600, 12.2672, 13.3590**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **26.9309, 12.9199, 44.7904** is the 20% darker color. If you saturate the color by 10%, you get **51.3683, 24.6986, 82.9489**, and if you desaturate by 10%, it is **51.7253, 25.3653, 83.2133**.

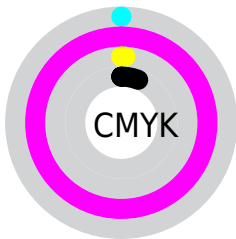
Distribution



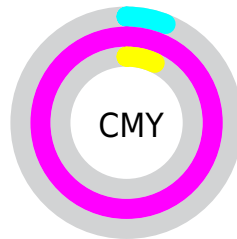
- Red (94%)
- Green (0%)
- Blue (93%)



- Red (94%)
- Yellow (0%)
- Blue (93%)



- Cyan (0%)
- Magenta (100%)
- Yellow (1%)
- Black (6%)




- Cyan (6%)
- Magenta (100%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.3678, 24.6983, 82.9488 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 51.3678, 24.6983, 82.9488 by changing the saturation by 10% instead.

 51.3678, 24.6983,
82.9488

 51.3678, 24.6983,
82.9488

382.3552,
276.3321, 524.7824


 36.7236, 15.8524,
61.6076


 91.3780, 51.1674,
139.3523


 25.1663, 9.4198,
44.2819


 117.4747, 69.5593,
175.2517


 16.3304, 5.0160,
30.5534


 148.1196, 91.9021,
216.8409

 9.8506, 2.2566,
20.0034

 183.6782,
118.5801, 264.5384

 5.3615, 0.7506,
12.2134

 224.5156,
149.9777, 318.7627

 2.4978, 0.0000,
6.7649

270.9974,

 0.8942, 0.0000,

186.4793, 379.9325

3.2393

323.4888,
228.4693, 448.4662

■ 0.0000, 0.0000,
1.2181

■ 0.0000, 0.0000,
0.0000

■ 51.3678, 24.6983,
82.9488

■ 51.3678, 24.6983,
82.9488

■ 51.3683, 24.6986,
82.9489

■ 51.7253, 25.3653,
83.2133

■ 52.4858, 26.8393,
83.6121

■ 53.7767, 29.3738,
84.1879

■ 55.6728, 33.1188,
84.9656

■ 58.2371, 38.2001,
85.9662

■ 61.5248, 44.7281,
87.2080

■ 65.5851, 52.8014,
88.7076

■ 70.4632, 62.5101,
90.4800

■ 76.2007, 73.9375,
92.5389

Harmonies

Analogous

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



37.3255, 24.6983, 148.4781



51.3678, 24.6983, 82.9488



57.6846, 24.6983, 28.6888

Triad

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



51.3678, 24.6983, 82.9488



24.0942, 24.6983, 0.0000



7.8136, 24.6983, 76.6626

Complementary

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



51.3678, 24.6983, 82.9488



31.1722, 62.3258, 10.4457

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.



6.4637, 24.6983, 25.1723



51.3678, 24.6983, 82.9488



13.5605, 24.6983, 0.1116

Square

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



51.3678, 24.6983, 82.9488



38.7927, 24.6983, 0.3027



8.1121, 24.6983, 4.3374



12.8364, 24.6983, 143.0538

Rectangle

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



51.3678, 24.6983, 82.9488



55.3954, 24.6983, 10.1084



8.1121, 24.6983, 4.3374



7.0181, 24.6983, 56.1737

Sweetspot

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



51.3688, 24.6995, 82.9493



75.2075, 60.4791, 101.7800



15.7293, 6.2925, 82.8248



15.6527, 12.0603, 21.6216



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.



51.3688, 24.6995, 82.9493



58.9495, 28.3438, 95.1868



39.3275, 19.8829, 19.5408



16.4483, 16.0290, 19.9169



28.1221, 13.5213, 45.4210



2.3413, 1.1256, 3.7882

Inverse Universe

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



51.3688, 24.6995, 82.9493



58.9495, 28.3438, 95.1868



34.5524, 63.6779, 28.2457



16.4483, 16.0290, 19.9169



28.1221, 13.5213, 45.4210



2.3413, 1.1256, 3.7882

Previews

White Background



This preview shows how the XYZ color 51.3678, 24.6983, 82.9488 looks on a white background.

Color Contrast Check

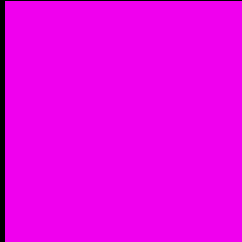
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.3678, 24.6983, 82.9488 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 51.3678, 24.6983, 82.9488

Background



This preview shows how black text looks on a background with the XYZ color 51.3678, 24.6983, 82.9488.



This preview shows how white text looks on a background with the XYZ color 51.3678, 24.6983,

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

51.3678, 24.6983, 82.9488

Protanopia

29.1736, 25.6098, 98.0133

Deuteranopia

26.1992, 25.4436, 74.0513



Tritanopia

37.2659, 24.7564, 14.8709

Trichromacy



Original Color

51.3678, 24.6983, 82.9488



Protanomaly

29.8631, 18.2421, 91.5696



Deuteranomaly

28.6171, 18.2993, 76.1526



Tritanomaly

39.7021, 22.1529, 31.0376

Monochromacy



Original Color

51.3678, 24.6983, 82.9488



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 51.3678, 24.6983, 82.9488 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 238)  
}
```

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, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 238) }
```

Border

The CSS property to change the border of an element to XYZ 51.3678, 24.6983, 82.9488 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, 238) }
```


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

```
.border{ border-color:rgb(240, 0, 238) }
```

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, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 238);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3678, 24.6983, 82.9488 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, 238) }
```

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

```
.background{ background-color: rgb(240, 0,  
238) }
```

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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