

Converting Colors

XYZ(51.2065, 24.8246, 73.4815)

Have a look what the booklet for
XYZ(51.2065, 24.8246, 73.4815)
contains.

XYZ(51.2468, 24.8487, 73.3294)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(51.2468, 24.8487,
73.3294)**

Conversions

Conversions Part 1

Format	Color
Hex	F500E1
RGB	245, 0, 225
RGB Percent	96%, 0%, 88%
CMY	0.0392, 0.9998, 0.1176
CMYK	0.00, 1.00, 0.08, 0.04
HSL	305°, 100%, 48%
HSV	305°, 100%, 96%
XYZ	51.2468, 24.8487, 73.3294
YIQ	98.9050, 73.7950, 121.9150

Conversions

Conversions Part 2

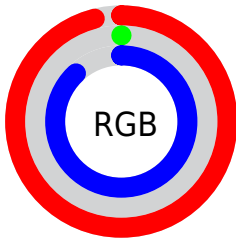
Format	Color
R_{YB}	245, 0, 225
Decimal	16056545
CIE _{Lab}	56.93, 92.61, -49.57
CIE _{LCh}	57, 105.043, 331.842
Yxy	24.8487, 0.3430, 0.1663
Android (android.graphics.Color)	4294246625 (0xFFFF500E1)
YUV	98.9050, 62.1648, 128.1253
Hunter-Lab	49.8485, 96.2724, -52.3244

Details

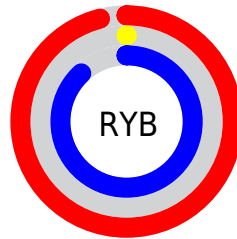
The XYZ color **51.2468, 24.8487, 73.3294** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **32.7800, 65.3565, 11.5513**, and the grayscale version is **11.6782, 12.2863, 13.3798**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **26.9286, 13.0549, 38.6367** is the 20% darker color. If you saturate the color by 10%, you get **51.2468, 24.8488, 73.3271**, and if you desaturate by 10%, it is **51.8598, 25.6347, 74.8883**.

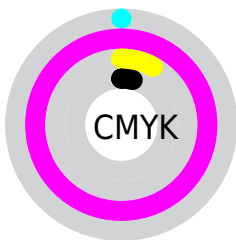
Distribution



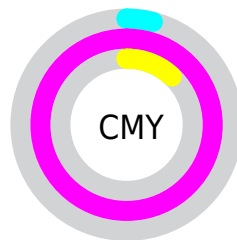
- Red (96%)
- Green (0%)
- Blue (88%)



- Red (96%)
- Yellow (0%)
- Blue (88%)



- Cyan (0%)
- Magenta (100%)
- Yellow (8%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2468, 24.8487, 73.3294 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 51.2468, 24.8487, 73.3294 by changing the saturation by 10% instead.


 51.2468, 24.8487,
73.3294


 51.2468, 24.8487,
73.3294

381.8938,
277.0836, 491.2570

 36.6269, 15.9644,
53.7519


 91.2003, 51.4117,
125.6700


 25.0911, 9.4989,
38.0115


 117.2646, 69.8591,
159.2701


 16.2740, 5.0680,
25.6897

 147.8744, 92.2630,
198.3816

 9.8103, 2.2872,
16.3680

 183.3951,
119.0078, 243.4228

 5.3347, 0.7669,
9.6278

 224.1921,
150.4778, 294.8125

 2.4817, 0.0000,
5.0505

270.6306,

 0.8860, 0.0000,

187.0576, 352.9690

2.2177

323.0760,
229.1314, 418.3110

■ 0.0000, 0.0000,
0.6845

■ 0.0000, 0.0000,
0.0000

■ 51.2468, 24.8487,
73.3294

■ 51.2468, 24.8487,
73.3294

■ 51.2468, 24.8488,
73.3271

■ 51.8598, 25.6347,
74.8883

■ 52.8998, 27.2702,
76.6052

■ 54.4991, 30.0193,
78.5244

■ 56.7368, 34.0397,
80.6724

■ 59.6790, 39.4642,
83.0712

■ 63.3838, 46.4087,
85.7402

■ 67.9032, 54.9770,
88.6968

■ 73.2845, 65.2640,
91.9569

■ 79.5715, 77.3571,
95.5350

Harmonies

Analogous

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



38.4410, 24.8487, 135.2135



51.2468, 24.8487, 73.3294



56.0666, 24.8487, 24.9347

Triad

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



51.2468, 24.8487, 73.3294



22.8652, 24.8487, 0.0000



8.6737, 24.8487, 80.9143

Complementary

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



51.2468, 24.8487, 73.3294



32.7800, 65.3565, 11.5513

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.



6.9771, 24.8487, 29.2943



51.2468, 24.8487, 73.3294



13.1993, 24.8487, 0.6233

Square

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



51.2468, 24.8487, 73.3294



36.6460, 24.8487, 0.3873



8.2893, 24.8487, 6.0140



14.1139, 24.8487, 141.6842

Rectangle

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



51.2468, 24.8487, 73.3294



53.1171, 24.8487, 8.8568



8.2893, 24.8487, 6.0140



7.7527, 24.8487, 60.9375

Sweetspot

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



51.2478, 24.8499, 73.3299



74.3206, 60.1243, 97.1093



16.7022, 6.7071, 86.8015



15.4367, 11.9739, 20.4843



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.



51.2478, 24.8499, 73.3299



56.1170, 27.2108, 80.2714



40.2686, 20.4583, 15.5146



17.1518, 16.7436, 20.5461



27.6322, 13.3963, 39.6328



2.4456, 1.1842, 3.5726

Inverse Universe

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



51.2478, 24.8499, 73.3299



56.1170, 27.2108, 80.2714



37.3028, 67.1656, 35.3681



17.1518, 16.7436, 20.5461



27.6322, 13.3963, 39.6328



2.4456, 1.1842, 3.5726

Previews

White Background



This preview shows how the XYZ color 51.2468, 24.8487, 73.3294 looks on a white background.

Color Contrast Check

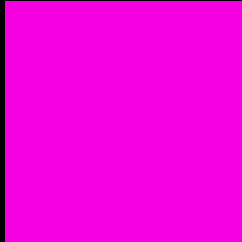
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.2468, 24.8487, 73.3294 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 51.2468, 24.8487, 73.3294

Background



This preview shows how black text looks on a background with the XYZ color 51.2468, 24.8487, 73.3294.



This preview shows how white text looks on a background with the XYZ color 51.2468, 24.8487,

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

51.2468, 24.8487, 73.3294

Protanopia

29.3228, 25.6867, 98.0203

Deuteranopia

26.0704, 25.3612, 65.1492



Tritanopia

38.7888, 24.9434, 13.3598

Trichromacy



Original Color

51.2468, 24.8487, 73.3294



Protanomaly

29.7310, 18.2629, 87.5460



Deuteranomaly

28.9397, 18.5466, 67.0203



Tritanomaly

41.2217, 22.7859, 27.8167

Monochromacy



Original Color

51.2468, 24.8487, 73.3294



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

19.8372, 12.2747, 28.1118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2468, 24.8487, 73.3294 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(245, 0, 225)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 225)  
}
```

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(245, 0, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 225) }
```

Border

The CSS property to change the border of an element to XYZ 51.2468, 24.8487, 73.3294 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(245, 0, 225) }
```


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

```
.border{ border-color:rgb(245, 0, 225) }
```

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

Here you see how a box with a 4 pixel rgb(245, 0, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 225);  
box-shadow:4px 4px 4px 4px rgb(245, 0,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2468, 24.8487, 73.3294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 0, 225) }
```

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

```
.background{ background-color: rgb(245, 0,  
225) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor