

Converting Colors

XYZ(51.8264, 24.9705, 81.3521)

Have a look what the booklet for
XYZ(51.8264, 24.9705, 81.3521)
contains.

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Color

**XYZ(51.7583, 24.9334,
81.4415)**

Conversions

Conversions Part 1

Format	Color
Hex	F200EC
RGB	242, 0, 236
RGB Percent	95%, 0%, 93%
CMY	0.0510, 0.9998, 0.0745
CMYK	0.00, 1.00, 0.02, 0.05
HSL	301°, 100%, 47%
HSV	301°, 100%, 95%
XYZ	51.7583, 24.9334, 81.4415
YIQ	99.2620, 68.4760, 124.7000

Conversions

Conversions Part 2

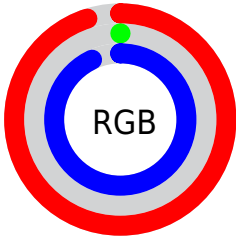
Format	Color
R_{YB}	242, 0, 236
Decimal	15859948
CIE _{Lab}	57.01, 93.60, -55.67
CIE _{LCh}	57, 108.906, 329.259
Yxy	24.9334, 0.3273, 0.1577
Android (android.graphics.Color)	4294050028 (0xFFFF200EC)
YUV	99.2620, 67.4118, 125.1812
Hunter-Lab	49.9334, 97.6404, -61.7489

Details

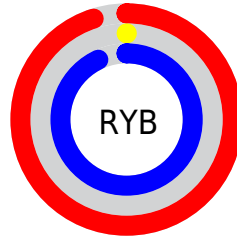
The XYZ color **51.7583, 24.9334, 81.4415** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **31.7862, 63.5187, 10.7586**, and the grayscale version is **11.7554, 12.3676, 13.4683**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **27.1927, 13.0784, 43.7390** is the 20% darker color. If you saturate the color by 10%, you get **51.7587, 24.9336, 81.4410**, and if you desaturate by 10%, it is **52.1779, 25.6319, 82.0125**.

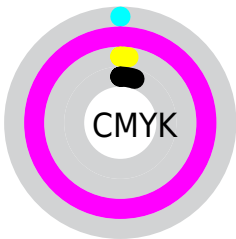
Distribution



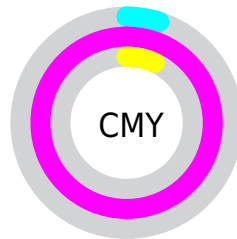
- Red (95%)
- Green (0%)
- Blue (93%)



- Red (95%)
- Yellow (0%)
- Blue (93%)



- Cyan (0%)
- Magenta (100%)
- Yellow (2%)
- Black (5%)



- Cyan (5%)
- Magenta (100%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.7583, 24.9334, 81.4415 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 51.7583, 24.9334, 81.4415 by changing the saturation by 10% instead.


 51.7583, 24.9334,
81.4415


 51.7583, 24.9334,
81.4415


383.8421,
277.5061, 519.6119


 37.0359, 16.0274,
60.3722


 91.9510, 51.5492,
137.2202

 25.4091, 9.5436,
43.2914


 118.1521, 70.0277,
172.7666


 16.5125, 5.0974,
29.7807


 148.9101, 92.4660,
213.9757

 9.9807, 2.3045,
19.4216

 184.5905,
119.2483, 261.2662

 5.4483, 0.7761,
11.7954

 225.5585,
150.7591, 315.0565

 2.5501, 0.0000,
6.4837

272.1795,

 0.9206, 0.0000,

187.3827, 375.7652

3.0679

324.8190,
229.5036, 443.8108

■ 0.0000, 0.0000,
1.1294

■ 0.0000, 0.0000,
0.0000

■ 51.7583, 24.9334,
81.4415

■ 51.7583, 24.9334,
81.4415

■ 51.7587, 24.9336,
81.4410

■ 52.1779, 25.6319,
82.0125

■ 53.0090, 27.1540,
82.7220

■ 54.3810, 29.7571,
83.6132

■ 56.3703, 33.5945,
84.7117

■ 59.0413, 38.7948,
86.0388

■ 62.4501, 45.4703,
87.6133

■ 66.6472, 53.7219,
89.4521

■ 71.6786, 63.6416,
91.5704

■ 77.5867, 75.3141,
93.9824

Harmonies

Analogous

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



37.8724, 24.9334, 146.6933



51.7583, 24.9334, 81.4415



57.7949, 24.9334, 28.0694

Triad

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



51.7583, 24.9334, 81.4415



24.0180, 24.9334, 0.0000



8.0621, 24.9334, 78.2034

Complementary

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



51.7583, 24.9334, 81.4415



31.7862, 63.5187, 10.7586

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.



6.6280, 24.9334, 26.2474



51.7583, 24.9334, 81.4415



13.5925, 24.9334, 0.2295

Square

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



51.7583, 24.9334, 81.4415



38.6305, 24.9334, 0.3279



8.2181, 24.9334, 4.7109



13.2157, 24.9334, 143.9060

Rectangle

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



51.7583, 24.9334, 81.4415



55.3395, 24.9334, 9.9081



8.2181, 24.9334, 4.7109



7.2336, 24.9334, 57.6531

Sweetspot

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



51.7593, 24.9346, 81.4420



75.0060, 60.3985, 100.7191



16.0787, 6.4381, 84.4008



15.6035, 12.0407, 21.3629



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.



51.7593, 24.9346, 81.4420



58.2883, 28.0793, 91.7050



39.8292, 20.1625, 18.6188



16.4364, 16.0243, 19.8540



27.8128, 13.3976, 43.7925



2.3191, 1.1167, 3.6712

Inverse Universe

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



51.7593, 24.9346, 81.4420



58.2883, 28.0793, 91.7050



35.4583, 64.9875, 30.0953



16.4364, 16.0243, 19.8540



27.8128, 13.3976, 43.7925



2.3191, 1.1167, 3.6712

Previews

White Background



This preview shows how the XYZ color 51.7583, 24.9334, 81.4415 looks on a white background.

Color Contrast Check

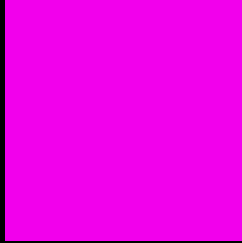
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.7583, 24.9334, 81.4415 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 51.7583, 24.9334, 81.4415

Background



This preview shows how black text looks on a background with the XYZ color 51.7583, 24.9334, 81.4415.



This preview shows how white text looks on a background with the XYZ color 51.7583, 24.9334,

81.4415.

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

51.7583, 24.9334, 81.4415

Protanopia

29.3228, 25.6867, 98.0203

Deuteranopia

26.3931, 25.5747, 72.6526



Tritanopia

38.1614, 25.2235, 14.6617

Trichromacy



Original Color

51.7583, 24.9334, 81.4415



Protanomaly

30.0233, 18.3426, 90.7650



Deuteranomaly

29.0319, 18.5452, 74.7225



Tritanomaly

40.5931, 22.6215, 30.6607

Monochromacy



Original Color

51.7583, 24.9334, 81.4415



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

19.9648, 12.3042, 29.7565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7583, 24.9334, 81.4415 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(242, 0, 236)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 236)  
}
```

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(242, 0, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 236) }
```

Border

The CSS property to change the border of an element to XYZ 51.7583, 24.9334, 81.4415 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(242, 0, 236) }
```


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

```
.border{ border-color:rgb(242, 0, 236) }
```

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

Here you see how a box with a 4 pixel rgb(242, 0, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 236);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7583, 24.9334, 81.4415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 236) }
```

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

```
.background{ background-color: rgb(242, 0,  
236) }
```

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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