

Converting Colors

XYZ(51.0399, 24.7515, 83.2844)

Have a look what the booklet for
XYZ(51.0399, 24.7515, 83.2844)
contains.

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Color

**XYZ(50.8495, 24.6643,
82.9695)**

Conversions

Conversions Part 1

Format	Color
Hex	EE0EEE
RGB	238, 14, 238
RGB Percent	93%, 5%, 93%
CMY	0.0667, 0.9450, 0.0667
CMYK	0.00, 0.94, 0.00, 0.07
HSL	300°, 89%, 49%
HSV	300°, 94%, 93%
XYZ	50.8495, 24.6643, 82.9695
YIQ	106.5120, 61.6000, 117.1520

Conversions

Conversions Part 2

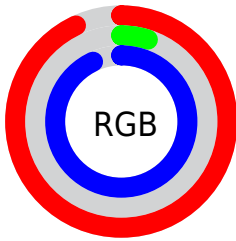
Format	Color
R _Y B	238, 14, 238
Decimal	15601390
CIE Lab	56.75, 92.34, -57.25
CIE LCh	57, 108.645, 328.200
Yxy	24.6643, 0.3209, 0.1556
Android (android.graphics.Color)	4293791470 (0xFFEE0EEE)
YUV	106.5120, 64.8236, 115.3150
Hunter-Lab	49.6632, 95.8534, -64.2883

Details

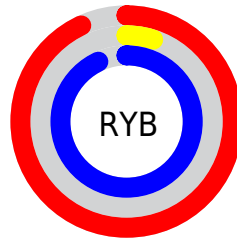
The XYZ color **50.8495, 24.6643, 82.9695** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **30.8361, 61.2753, 10.6188**, and the grayscale version is **13.6613, 14.3728, 15.6520**.

A 20% lighter version of the original color is **64.2403, 38.3806, 98.6301**, and **26.4720, 12.6833, 44.7690** is the 20% darker color. If you saturate the color by 10%, you get **50.6930, 24.3504, 82.9174**, and if you desaturate by 10%, it is **51.3809, 25.7261, 83.1468**.

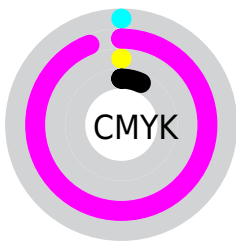
Distribution



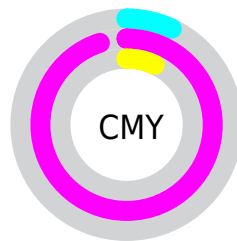
- Red (93%)
- Green (5%)
- Blue (93%)



- Red (93%)
- Yellow (5%)
- Blue (93%)



- Cyan (0%)
- Magenta (94%)
- Yellow (0%)
- Black (7%)





- Cyan (7%)
- Magenta (95%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8495, 24.6643, 82.9695 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 50.8495, 24.6643, 82.9695 by changing the saturation by 10% instead.

 50.8495, 24.6643,
82.9695

 50.8495, 24.6643,
82.9695

380.3761,
276.1620, 524.8532

 36.3094, 15.8271,
61.6245


 90.6166, 51.1121,
139.3816


 24.8445, 9.4019,
44.2955


 116.5743, 69.4915,
175.2858


 16.0893, 5.0042,
30.5640


 147.0686, 91.8204,
216.8802

 9.6786, 2.2498,
20.0114

 182.4648,
118.4833, 264.5832

 5.2470, 0.7469,
12.2192

 223.1283,
149.8645, 318.8135

 2.4292, 0.0000,
6.7688

269.4244,

 0.8597, 0.0000,

186.3484, 379.9896

3.2417

321.7186,
228.3194, 448.5300

■ 0.0000, 0.0000,
1.2193

■ 0.0000, 0.0000,
0.0000

■ 50.8495, 24.6643,
82.9695

■ 50.8495, 24.6643,
82.9695

■ 50.6930, 24.3504,
82.9174

■ 51.3809, 25.7261,
83.1468

■ 52.3959, 27.7561,
83.4853

■ 53.9759, 30.9162,
84.0120

■ 56.1868, 35.3380,
84.7491

■ 59.0854, 41.1352,
85.7153

■ 62.7222, 48.4088,
86.9277

■ 67.1430, 57.2502,
88.4013

■ 72.3897, 67.7436,
90.1503

■ 78.5015, 79.9671,
92.1876

Harmonies

Analogous

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



36.9458, 24.6643, 147.2568



50.8495, 24.6643, 82.9695



57.2064, 24.6643, 29.1075

Triad

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



50.8495, 24.6643, 82.9695



24.2164, 24.6643, 0.0000



7.8576, 24.6643, 75.1734

Complementary

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



50.8495, 24.6643, 82.9695



30.8361, 61.2753, 10.6188

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.



6.5481, 24.6643, 24.7223



50.8495, 24.6643, 82.9695



13.7103, 24.6643, 0.1462

Square

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



50.8495, 24.6643, 82.9695



38.7704, 24.6643, 0.3847



8.2328, 24.6643, 4.3126



12.8039, 24.6643, 140.5452

Rectangle

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



50.8495, 24.6643, 82.9695



55.0463, 24.6643, 10.4237



8.2328, 24.6643, 4.3126



7.0776, 24.6643, 55.0809

Sweetspot

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



50.8505, 24.6654, 82.9700



76.3475, 62.5950, 102.6656



15.7720, 6.5818, 81.3291



15.8725, 12.4598, 21.8183



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.



50.8505, 24.6654, 82.9700



59.2898, 28.4799, 96.9791



39.1849, 19.9992, 21.5397



16.4543, 16.0314, 19.9487



28.2812, 13.5849, 46.2590



2.3527, 1.1301, 3.8483

Inverse Universe

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



50.8505, 24.6654, 82.9700



59.2898, 28.4799, 96.9791



34.5236, 62.7503, 30.0372



16.4543, 16.0314, 19.9487



28.2812, 13.5849, 46.2590



2.3527, 1.1301, 3.8483

Previews

White Background



This preview shows how the XYZ color 50.8495, 24.6643, 82.9695 looks on a white background.

Color Contrast Check

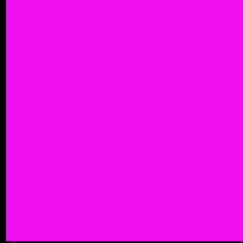
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.8495, 24.6643, 82.9695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

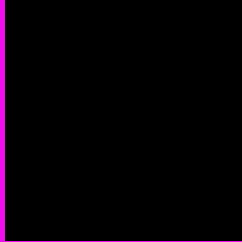
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.8495, 24.6643, 82.9695

Background



This preview shows how black text looks on a background with the XYZ color 50.8495, 24.6643, 82.9695.



This preview shows how white text looks on a background with the XYZ color 50.8495, 24.6643,

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

50.8495, 24.6643, 82.9695

Protanopia

28.9633, 25.2971, 97.9640

Deuteranopia

25.8799, 25.0670, 73.9954



Tritanopia

36.7344, 24.6135, 14.8714

Trichromacy



Original Color

50.8495, 24.6643, 82.9695



Protanomaly

30.1151, 18.9772, 91.6983



Deuteranomaly

28.6175, 18.8004, 76.2493



Tritanomaly

39.3902, 22.4766, 31.1165

Monochromacy



Original Color

50.8495, 24.6643, 82.9695



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

21.8165, 14.1002, 32.5821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8495, 24.6643, 82.9695 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(238, 14, 238)` looks like.

```
.text, #text, p{  
    color:rgb(238, 14, 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(238, 14, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 14, 238) }
```

Border

The CSS property to change the border of an element to XYZ 50.8495, 24.6643, 82.9695 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(238, 14, 238) }
```


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

```
.border{ border-color:rgb(238, 14, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 14, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 14, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 14, 238);  
box-shadow:4px 4px 4px 4px rgb(238, 14,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8495, 24.6643, 82.9695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 14, 238) }
```

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

```
.background{ background-color: rgb(238, 14,  
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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