

# Converting Colors

XYZ(52.4425, 25.8342, 83.1114)

Have a look what the booklet for  
XYZ(52.4425, 25.8342, 83.1114)  
contains.

<b>XYZ(52.4425, 25.8342, 83.1114)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(52.4425, 25.8342,  
83.1114)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F21BEE
RGB	242, 27, 238
RGB Percent	95%, 11%, 93%
CMY	0.0510, 0.8940, 0.0667
CMYK	0.00, 0.89, 0.02, 0.05
HSL	301°, 89%, 53%
HSV	301°, 89%, 95%
XYZ	52.4425, 25.8342, 83.1114
YIQ	115.3390, 60.4090, 111.2010

# Conversions

## Conversions Part 2

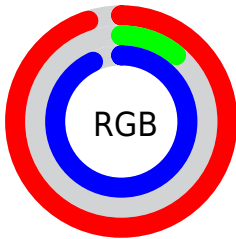
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 27, 238
Decimal	15866862
CIE Lab	57.88, 91.65, -55.40
CIE LCh	58, 107.094, 328.847
Yxy	25.8342, 0.3249, 0.1601
Android (android.graphics.Color)	4294056942 (0xFFFF21BEE)
YUV	115.3390, 60.4719, 111.0817
Hunter-Lab	50.8274, 95.2243, -61.3701

# Details

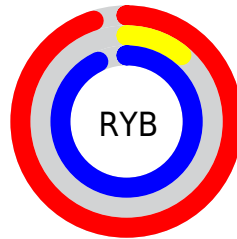
The XYZ color **52.4425, 25.8342, 83.1114** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **32.4527, 63.8375, 11.9093**, and the grayscale version is **16.2117, 17.0559, 18.5739**.

A 20% lighter version of the original color is **64.7586, 39.4173, 98.8029**, and **27.3965, 13.1600, 44.8122** is the 20% darker color. If you saturate the color by 10%, you get **52.0156, 25.0854, 82.6432**, and if you desaturate by 10%, it is **53.3109, 27.4641, 83.7279**.

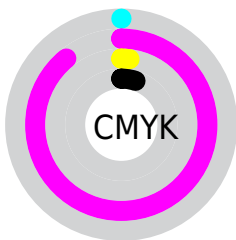
# Distribution



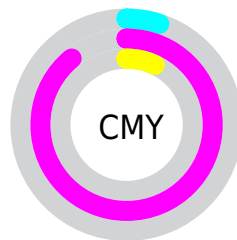
- Red (95%)
- Green (11%)
- Blue (93%)



- Red (95%)
- Yellow (11%)
- Blue (93%)



- Cyan (0%)
- Magenta (89%)
- Yellow (2%)
- Black (5%)




- Cyan (5%)
- Magenta (89%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.4425, 25.8342, 83.1114 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 52.4425, 25.8342, 83.1114 by changing the saturation by 10% instead.





 52.4425, 25.8342,  
83.1114


 52.4425, 25.8342,  
83.1114

386.4385,  
281.9672, 525.3384


 37.5836, 16.6996,  
61.7409

 92.9539, 53.0073,  
139.5821


 25.8354, 10.0206,  
44.3889


 119.3371, 71.8147,  
175.5194


 16.8326, 5.4126,  
30.6370


 150.2924, 94.6152,  
217.1494

 10.2098, 2.4913,  
20.0664

 186.1852,  
121.7931, 264.8906

 5.6016, 0.8723,  
12.2588

 227.3809,  
153.7329, 319.1615

 2.6427, 0.0000,  
6.7955

274.2447,

 0.9678, 0.0000,

190.8189, 380.3808

3.2580

327.1422,  
233.4355, 448.9669

■ 0.0000, 0.0000,  
1.2279

■ 0.0000, 0.0000,  
0.0015

■ 52.4425, 25.8342,  
83.1114

■ 52.4425, 25.8342,  
83.1114

■ 52.0156, 25.0854,  
82.6432

■ 53.3109, 27.4641,  
83.7279

■ 51.9773, 25.0210,  
82.5925

■ 54.7286, 30.1932,  
84.5282

■ 56.7714, 34.1722,  
85.5377

■ 59.5026, 39.5277,  
86.7774

62.9775, 46.3705,  
88.2659

67.2461, 54.8003,  
90.0198

72.3538, 64.9082,  
92.0541

78.3428, 76.7783,  
94.3831

85.2523, 90.4891,  
97.0197

# Harmonies

## Analogous

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



38.5514, 25.8342, 147.2740



52.4425, 25.8342, 83.1114



58.5844, 25.8342, 29.5809

# Triad

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



52.4425, 25.8342, 83.1114



25.0565, 25.8342, 0.0000



8.6197, 25.8342, 78.1232

# Complementary

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



52.4425, 25.8342, 83.1114



32.4527, 63.8375, 11.9093

# 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.



7.1809, 25.8342, 26.7255



52.4425, 25.8342, 83.1114



14.4366, 25.8342, 0.4186

# Square

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



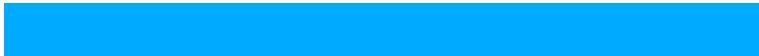
52.4425, 25.8342, 83.1114



39.7295, 25.8342, 0.5692



8.8701, 25.8342, 5.0749



13.8391, 25.8342, 143.0113



# Rectangle

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



52.4425, 25.8342, 83.1114



56.2534, 25.8342, 10.8708



8.8701, 25.8342, 5.0749



7.7798, 25.8342, 57.8372

# Sweetspot

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



52.4435, 25.8354, 83.1119



76.6749, 63.5788, 101.7606



16.9729, 7.4809, 84.5549



16.0249, 12.8440, 21.6247



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.



52.4435, 25.8354, 83.1119



58.5352, 28.1781, 93.0054



41.1027, 21.2991, 23.3921



16.4408, 16.0260, 19.8776



27.9284, 13.4438, 44.4008



2.3274, 1.1200, 3.7150



# Inverse Universe

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



52.4435, 25.8354, 83.1119



58.5352, 28.1781, 93.0054



36.7994, 65.5761, 34.7985



16.4408, 16.0260, 19.8776



27.9284, 13.4438, 44.4008



2.3274, 1.1200, 3.7150



# Previews

## White Background



This preview shows how the XYZ color 52.4425, 25.8342, 83.1114 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

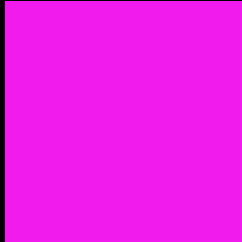
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.4425, 25.8342, 83.1114 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

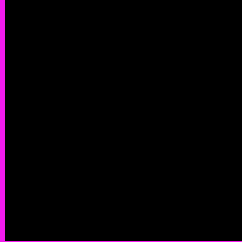
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 52.4425, 25.8342, 83.1114**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.4425, 25.8342, 83.1114.



This preview shows how white text looks on a background with the XYZ color 52.4425, 25.8342,



# 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

52.4425, 25.8342, 83.1114

### Protanopia

29.9147, 26.4061, 98.1280

### Deuteranopia

27.0491, 26.3116, 74.1740



## Tritanopia

38.5761, 25.8190, 15.5208

# Trichromacy



## Original Color

52.4425, 25.8342, 83.1114



## Protanomaly

31.5983, 20.5237, 91.9186



## Deuteranomaly

30.2818, 20.6006, 76.5090



## Tritanomaly

41.4434, 24.0645, 31.7388

# Monochromacy



## Original Color

52.4425, 25.8342, 83.1114



## Achromatopsia

16.2955, 17.1441, 18.6699



## Achromatomaly

24.1364, 16.3016, 35.1321

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.4425, 25.8342, 83.1114 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, 27, 238)` looks like.

```
.text, #text, p{  
    color:rgb(242, 27, 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(242, 27, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 27, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 52.4425, 25.8342, 83.1114 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, 27, 238) }
```



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

```
.border{ border-color:rgb(242, 27, 238) }
```

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

Here you see how a box with a 4 pixel rgb(242, 27, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 27, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 27, 238);  
box-shadow:4px 4px 4px 4px rgb(242, 27,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.4425, 25.8342, 83.1114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 27, 238) }
```

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

```
.background{ background-color: rgb(242, 27,  
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](#).

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