

# Converting Colors

XYZ(52.9541, 25.5236, 82.6840)

Have a look what the booklet for  
XYZ(52.9541, 25.5236, 82.6840)  
contains.

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# Color

**XYZ(53.0888, 25.5855,  
83.0293)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F500EE
RGB	245, 0, 238
RGB Percent	96%, 0%, 93%
CMY	0.0392, 0.9998, 0.0667
CMYK	0.00, 1.00, 0.03, 0.04
HSL	302°, 100%, 48%
HSV	302°, 100%, 96%
XYZ	53.0888, 25.5855, 83.0293
YIQ	100.3870, 69.6220, 125.9580

# Conversions

## Conversions Part 2

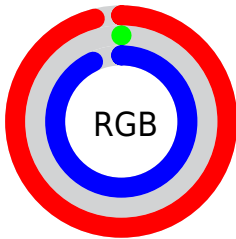
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 0, 238
Decimal	16056558
CIE <sub>Lab</sub>	57.64, 94.35, -55.75
CIE <sub>LCh</sub>	58, 109.594, 329.422
Yxy	25.5855, 0.3283, 0.1582
Android (android.graphics.Color)	4294246638 (0xFFFF500EE)
YUV	100.3870, 67.8432, 126.8256
Hunter-Lab	50.5821, 98.8272, -61.9156

# Details

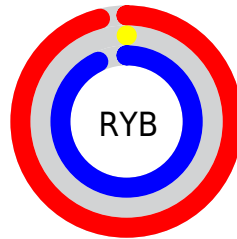
The XYZ color **53.0888, 25.5855, 83.0293** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **32.6920, 65.3214, 11.0875**, and the grayscale version is **12.0379, 12.6648, 13.7919**.

A 20% lighter version of the original color is **64.1402, 38.1805, 98.5967**, and **28.1077, 13.5265, 44.8455** is the 20% darker color. If you saturate the color by 10%, you get **53.0892, 25.5857, 83.0287**, and if you desaturate by 10%, it is **53.5304, 26.3029, 83.6852**.

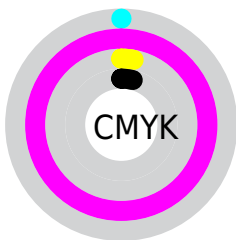
# Distribution



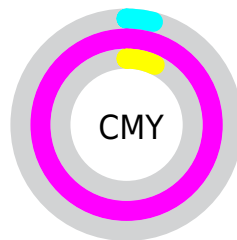
- Red (96%)
- Green (0%)
- Blue (93%)



- Red (96%)
- Yellow (0%)
- Blue (93%)



- Cyan (0%)
- Magenta (100%)
- Yellow (3%)
- Black (4%)




- Cyan (4%)
- Magenta (100%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.0888, 25.5855, 83.0293 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 53.0888, 25.5855, 83.0293 by changing the saturation by 10% instead.




 53.0888, 25.5855,  
83.0293


 53.0888, 25.5855,  
83.0293


388.8810,  
280.7414, 525.0577

 38.1014, 16.5138,  
61.6736

 93.8998, 52.6055,  
139.4661

 26.2390, 9.8885,  
44.3349


 120.4541, 71.3226,  
175.3842

 17.1361, 5.3251,  
30.5948


 151.5948, 94.0236,  
216.9936

 10.4275, 2.4392,  
20.0346

 187.6872,  
121.0929, 264.7128

 5.7477, 0.8460,  
12.2359

 229.0966,  
152.9150, 318.9602

 2.7315, 0.0000,  
6.7800

276.1885,

 1.0134, 0.0000,

189.8741, 380.1545

3.2486

329.3282,  
232.3548, 448.7141

■ 0.0000, 0.0000,  
1.2229

■ 0.0000, 0.0000,  
0.0000

■ 53.0888, 25.5855,  
83.0293

■ 53.0888, 25.5855,  
83.0293

■ 53.0892, 25.5857,  
83.0287

■ 53.5304, 26.3029,  
83.6852

■ 54.3961, 27.8686,  
84.4844

■ 55.8182, 30.5466,  
85.4710

■ 57.8758, 34.4950,  
86.6714

60.6352, 39.8462,  
88.1077

64.1544, 46.7163,  
89.7992

68.4852, 55.2091,  
91.7633

73.6750, 65.4194,  
94.0157

79.7677, 77.4346,  
96.5711

# Harmonies

## Analogous

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



38.9090, 25.5855, 149.7738



53.0888, 25.5855, 83.0293



59.2022, 25.5855, 28.5929

# Triad

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



53.0888, 25.5855, 83.0293



24.5734, 25.5855, 0.0000



8.3149, 25.5855, 80.4442

# Complementary

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



53.0888, 25.5855, 83.0293



32.6920, 65.3214, 11.0875

# 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.



6.8260, 25.5855, 27.1363



53.0888, 25.5855, 83.0293



13.9247, 25.5855, 0.2742

# Square

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



53.0888, 25.5855, 83.0293



39.5146, 25.5855, 0.3516



8.4399, 25.5855, 4.9159



13.6232, 25.5855, 147.5498



# Rectangle

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



53.0888, 25.5855, 83.0293



56.6484, 25.5855, 10.0971



8.4399, 25.5855, 4.9159



7.4585, 25.5855, 59.3888

# Sweetspot

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



53.0898, 25.5867, 83.0298



74.9600, 60.3801, 100.4766



16.5337, 6.6202, 86.7938



15.5923, 12.0362, 21.3038



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.



53.0898, 25.5867, 83.0298



58.1386, 28.0194, 90.9169



40.9533, 20.7321, 19.1198



17.1920, 16.7596, 20.7575



28.6092, 13.7871, 44.7778



2.5208, 1.2143, 3.9690



# Inverse Universe

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



53.0898, 25.5867, 83.0298



58.1386, 28.0194, 90.9169



36.4584, 66.8280, 30.9212



17.1920, 16.7596, 20.7575



28.6092, 13.7871, 44.7778



2.5208, 1.2143, 3.9690



# Previews

## White Background



This preview shows how the XYZ color 53.0888, 25.5855, 83.0293 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

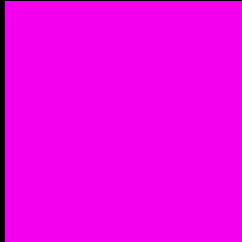
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.0888, 25.5855, 83.0293 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

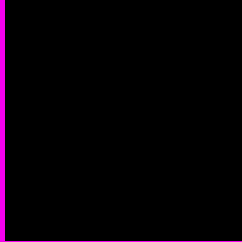
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 53.0888, 25.5855, 83.0293**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.0888, 25.5855, 83.0293.



This preview shows how white text looks on a background with the XYZ color 53.0888, 25.5855,



# 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

53.0888, 25.5855, 83.0293

### Protanopia

29.9147, 26.4061, 98.1280

### Deuteranopia

27.1470, 26.3621, 74.1786



## Tritanopia

39.1696, 25.7377, 14.9600

# Trichromacy



## Original Color

53.0888, 25.5855, 83.0293



## Protanomaly

30.9883, 19.0592, 91.6681



## Deuteranomaly

29.7479, 19.0049, 76.2292



## Tritanomaly

41.6611, 23.1628, 31.1292

# Monochromacy



## Original Color

53.0888, 25.5855, 83.0293



## Achromatopsia

12.1130, 12.7438, 13.8780



## Achromatomaly

20.4753, 12.6411, 30.2150

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.0888, 25.5855, 83.0293 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(245, 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(245, 0, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 53.0888, 25.5855, 83.0293 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, 238) }
```



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

```
.border{ border-color:rgb(245, 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(245, 0, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 238);  
box-shadow:4px 4px 4px 4px rgb(245, 0,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.0888, 25.5855, 83.0293 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, 238) }
```

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

```
.background{ background-color: rgb(245, 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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