

Converting Colors

XYZ(53.1181, 25.5892, 83.5477)

Have a look what the booklet for
XYZ(53.1181, 25.5892, 83.5477)
contains.

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Color

**XYZ(53.2362, 25.6445,
83.8054)**

Conversions

Conversions Part 1

Format	Color
Hex	F500EF
RGB	245, 0, 239
RGB Percent	96%, 0%, 94%
CMY	0.0392, 0.9998, 0.0627
CMYK	0.00, 1.00, 0.02, 0.04
HSL	301°, 100%, 48%
HSV	301°, 100%, 96%
XYZ	53.2362, 25.6445, 83.8054
YIQ	100.5010, 69.3010, 126.2690

Conversions

Conversions Part 2

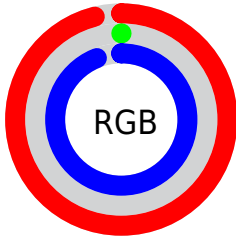
Format	Color
R _Y B	245, 0, 239
Decimal	16056559
CIE Lab	57.70, 94.49, -56.22
CIE LCh	58, 109.951, 329.247
Yxy	25.6445, 0.3272, 0.1576
Android (android.graphics.Color)	4294246639 (0xFFFF500EF)
YUV	100.5010, 68.2800, 126.7256
Hunter-Lab	50.6404, 99.0291, -62.6714

Details

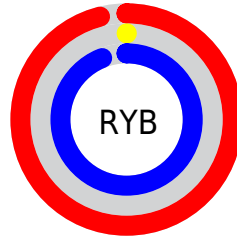
The XYZ color **53.2362, 25.6445, 83.8054** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **32.6865, 65.3192, 11.0587**, and the grayscale version is **12.0661, 12.6945, 13.8243**.

A 20% lighter version of the original color is **64.1402, 38.1805, 98.5967**, and **28.2107, 13.5677, 45.3879** is the 20% darker color. If you saturate the color by 10%, you get **53.2366, 25.6447, 83.8049**, and if you desaturate by 10%, it is **53.6636, 26.3562, 84.3863**.

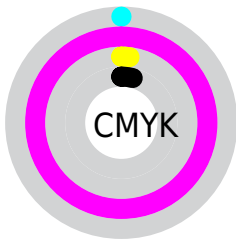
Distribution



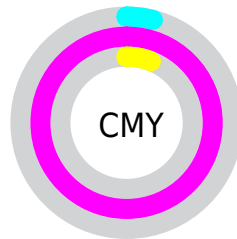
- Red (96%)
- Green (0%)
- Blue (94%)



- Red (96%)
- Yellow (0%)
- Blue (94%)



- Cyan (0%)
- Magenta (100%)
- Yellow (2%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.2362, 25.6445, 83.8054 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 53.2362, 25.6445, 83.8054 by changing the saturation by 10% instead.


 53.2362, 25.6445,
83.8054


 53.2362, 25.6445,
83.8054


389.4367,
281.0326, 527.7079


 38.2196, 16.5579,
62.3103

 94.1153, 52.7009,
140.5622

 26.3312, 9.9198,
44.8461


 120.7086, 71.4394,
176.6611


 17.2055, 5.3458,
30.9941


 151.8914, 94.1641,
218.4649

 10.4773, 2.4516,
20.3360

 188.0291,
121.2592, 266.3923

 5.7813, 0.8522,
12.4530

 229.4872,
153.1092, 320.8617

 2.7519, 0.0000,
6.9267

276.6309,

 1.0240, 0.0000,

190.0985, 382.2918

3.3386

329.8256,
232.6115, 451.1010

■ 0.0000, 0.0000,
1.2700

■ 0.0000, 0.0000,
0.0370

■ 53.2362, 25.6445,
83.8054

■ 53.2362, 25.6445,
83.8054

■ 53.2366, 25.6447,
83.8049

■ 53.6636, 26.3562,
84.3863

■ 54.5149, 27.9163,
85.1097

■ 55.9226, 30.5886,
86.0201

■ 57.9657, 34.5313,
87.1438

60.7105, 39.8768,
88.5028

64.2149, 46.7410,
90.1164

68.5309, 55.2280,
92.0021

73.7058, 65.4324,
94.1755

79.7835, 77.4418,
96.6513

Harmonies

Analogous

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



38.9490, 25.6445, 150.9344



53.2362, 25.6445, 83.8054



59.4511, 25.6445, 28.8860

Triad

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



53.2362, 25.6445, 83.8054



24.7085, 25.6445, 0.0000



8.2889, 25.6445, 80.4190

Complementary

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



53.2362, 25.6445, 83.8054



32.6865, 65.3192, 11.0587

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.



6.8152, 25.6445, 26.9807



53.2362, 25.6445, 83.8054



13.9819, 25.6445, 0.2478

Square

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



53.2362, 25.6445, 83.8054



39.7418, 25.6445, 0.3488



8.4520, 25.6445, 4.8391



13.5879, 25.6445, 148.0193

Rectangle

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



53.2362, 25.6445, 83.8054



56.9283, 25.6445, 10.1960



8.4520, 25.6445, 4.8391



7.4371, 25.6445, 59.2802

Sweetspot

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



53.2372, 25.6457, 83.8059



75.0098, 60.4000, 100.7386



16.5338, 6.6202, 86.7938



15.6045, 12.0410, 21.3677



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.



53.2372, 25.6457, 83.8059



58.3004, 28.0841, 91.7686



40.9534, 20.7322, 19.1201



17.1951, 16.7609, 20.7738



28.6873, 13.8184, 45.1892



2.5268, 1.2167, 4.0005

Inverse Universe

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



53.2372, 25.6457, 83.8059



58.3004, 28.0841, 91.7686



36.4585, 66.8280, 30.9216



17.1951, 16.7609, 20.7738



28.6873, 13.8184, 45.1892



2.5268, 1.2167, 4.0005

Previews

White Background



This preview shows how the XYZ color 53.2362, 25.6445, 83.8054 looks on a white background.

Color Contrast Check

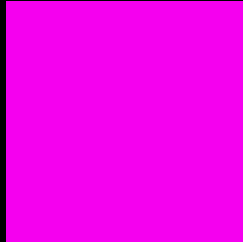
Large Text (above 18pt) WCAG AA ✓ Pass

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 53.2362, 25.6445, 83.8054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

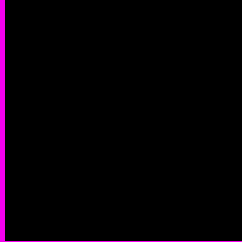
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 53.2362, 25.6445, 83.8054

Background



This preview shows how black text looks on a background with the XYZ color 53.2362, 25.6445, 83.8054.



This preview shows how white text looks on a background with the XYZ color 53.2362, 25.6445,

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

53.2362, 25.6445, 83.8054

Protanopia

29.9960, 26.4480, 98.1318

Deuteranopia

27.1851, 26.3661, 74.8905



Tritanopia

38.9361, 25.7485, 14.9744

Trichromacy



Original Color

53.2362, 25.6445, 83.8054



Protanomaly

31.1545, 19.1449, 91.6758



Deuteranomaly

29.7094, 18.9689, 76.9584



Tritanomaly

41.4627, 23.1283, 31.5570

Monochromacy



Original Color

53.2362, 25.6445, 83.8054



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

20.5562, 12.6735, 30.6409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.2362, 25.6445, 83.8054 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, 239)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 239)  
}
```

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, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 239) }
```

Border

The CSS property to change the border of an element to XYZ 53.2362, 25.6445, 83.8054 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, 239) }
```


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

```
.border{ border-color:rgb(245, 0, 239) }
```

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, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 239);  
box-shadow:4px 4px 4px 4px rgb(245, 0,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 53.2362, 25.6445, 83.8054 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, 239) }
```

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

```
.background{ background-color: rgb(245, 0,  
239) }
```

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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