

# Converting Colors

XYZ(52.2544, 33.5473, 83.8449)

Have a look what the booklet for  
XYZ(52.2544, 33.5473, 83.8449)  
contains.

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# Color

**XYZ(52.3345, 33.6521,  
83.8579)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E26FED
RGB	226, 111, 237
RGB Percent	89%, 44%, 93%
CMY	0.1137, 0.5647, 0.0706
CMYK	0.05, 0.53, 0.00, 0.07
HSL	295°, 78%, 68%
HSV	295°, 53%, 93%
XYZ	52.3345, 33.6521, 83.8579
YIQ	159.7490, 28.0940, 63.5660

# Conversions

## Conversions Part 2

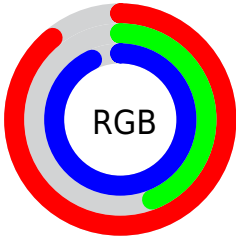
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 111, 237
Decimal	14839789
CIE Lab	64.69, 62.03, -44.21
CIE LCh	65, 76.176, 324.520
Yxy	33.6521, 0.3081, 0.1981
Android (android.graphics.Color)	4293029869 (0xFFE26FED)
YUV	159.7490, 38.0847, 58.1021
Hunter-Lab	58.0104, 59.5167, -45.1003

# Details

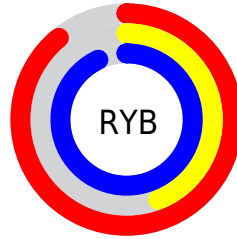
The XYZ color **52.3345, 33.6521, 83.8579** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **41.1806, 65.8545, 25.5813**, and the grayscale version is **33.1208, 34.8457, 37.9469**.

A 20% lighter version of the original color is **73.1087, 56.1174, 101.5862**, and **25.8081, 14.2994, 45.1159** is the 20% darker color. If you saturate the color by 10%, you get **49.4387, 28.8170, 83.0777**, and if you desaturate by 10%, it is **55.9264, 39.8659, 84.8685**.

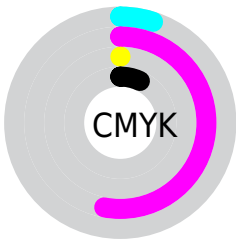
# Distribution



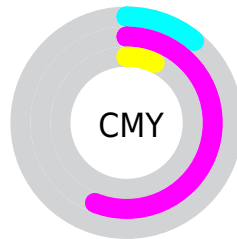
- Red (89%)
- Green (44%)
- Blue (93%)



- Red (89%)
- Yellow (44%)
- Blue (93%)



- Cyan (5%)
- Magenta (53%)
- Yellow (0%)
- Black (7%)




- Cyan (11%)
- Magenta (56%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.3345, 33.6521, 83.8579 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 52.3345, 33.6521, 83.8579 by changing the saturation by 10% instead.





 52.3345, 33.6521,  
83.8579


 52.3345, 33.6521,  
83.8579

386.0294,  
318.5780, 527.8870


 37.4971, 22.6265,  
62.3534

 92.7957, 65.3923,  
140.6363

 25.7681, 14.3179,  
44.8807


 119.1502, 86.8756,  
176.7474

 16.7820, 8.3421,  
31.0212


 150.0744,  
112.6137, 218.5643

 10.1735, 4.3146,  
20.3564

185.9338,  
142.9908, 266.5058

 5.5773, 1.8511,  
12.4677

227.0936,  
178.3914, 320.9902

 2.6280, 0.5187,  
6.9367

273.9192,

 0.9602, 0.0000,

219.1998, 382.4362

3.3447

326.7761,  
265.8006, 451.2622

■ 0.0000, 0.0000,  
1.2732

■ 0.0000, 0.0000,  
0.0397

■ 52.3345, 33.6521,  
83.8579

■ 52.3345, 33.6521,  
83.8579

■ 49.4387, 28.8170,  
83.0777

■ 55.9264, 39.8659,  
84.8685

■ 47.1798, 25.2450,  
82.5073


■ 60.2602, 47.5529,  
86.1238


■ 45.4948, 22.8093,  
82.1260


■ 65.3822, 56.8044,  
87.6396


■ 44.3060, 21.3543,  
81.9078


■ 71.3336, 67.7031,  
89.4295


 43.6970, 20.7608,  
81.8254

 78.1529, 80.3257,  
91.5065

 85.8760, 94.7443,  
93.8825

 87.1460, 96.2446,  
94.1052

 87.8543, 96.6097,  
94.1383

 88.5706, 96.9790,  
94.1719

# Harmonies

## Analogous

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



41.5249, 33.6521, 123.2194



52.3345, 33.6521, 83.8579



57.7998, 33.6521, 42.6951

# Triad

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



52.3345, 33.6521, 83.8579



34.0346, 33.6521, 3.4497



16.4208, 33.6521, 67.7295

# Complementary

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



52.3345, 33.6521, 83.8579



41.1806, 65.8545, 25.5813

# 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.



15.2939, 33.6521, 31.1889



52.3345, 33.6521, 83.8579



24.0316, 33.6521, 4.6299

# Square

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



52.3345, 33.6521, 83.8579



45.8007, 33.6521, 6.2333



17.7415, 33.6521, 11.6322



21.2716, 33.6521, 110.7629



# Rectangle

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



52.3345, 33.6521, 83.8579



56.9505, 33.6521, 23.5268



17.7415, 33.6521, 11.6322



15.6484, 33.6521, 53.9000

# Sweetspot

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



52.3357, 33.6536, 83.8586



82.0890, 76.0052, 104.9516



29.0007, 23.8109, 83.1887



17.2549, 15.6897, 22.3689



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.



52.3357, 33.6536, 83.8586



58.0512, 33.4970, 98.0137



49.5375, 32.9456, 50.5392



15.5776, 15.2430, 19.0434



23.9136, 11.3639, 44.6760



1.9159, 0.9120, 3.5099



# Inverse Universe

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



44.1235, 30.7800, 22.0295



47.6538, 29.9213, 16.9122



43.3093, 66.5361, 44.4652



15.1189, 15.0754, 15.9112



19.1599, 9.8666, 1.3772

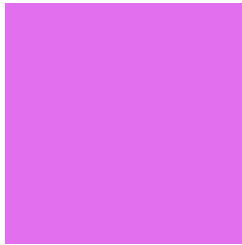


1.5229, 0.7821, 0.2049



# Previews

## White Background



This preview shows how the XYZ color 52.3345, 33.6521, 83.8579 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

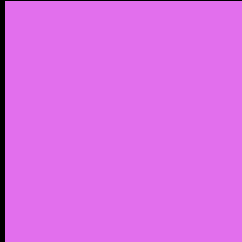
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.3345, 33.6521, 83.8579 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

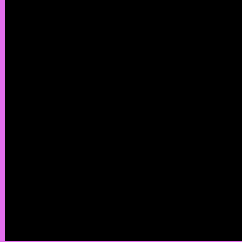
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 52.3345, 33.6521, 83.8579**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.3345, 33.6521, 83.8579.



This preview shows how white text looks on a background with the XYZ color 52.3345, 33.6521,



# 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

52.3345, 33.6521, 83.8579

### Protanopia

36.9417, 34.1131, 99.2452

### Deuteranopia

34.9334, 34.0233, 78.8547



## Tritanopia

41.3675, 33.3907, 31.0528

# Trichromacy



## Original Color

52.3345, 33.6521, 83.8579



## Protanomaly

39.9364, 32.1224, 92.9023



## Deuteranomaly

39.2534, 32.4749, 80.5433



## Tritanomaly

44.4102, 33.0415, 46.1565

# Monochromacy



## Original Color

52.3345, 33.6521, 83.8579



## Achromatopsia

33.4132, 35.1533, 38.2819



## Achromatomaly

38.5173, 33.1672, 51.9488

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.3345, 33.6521, 83.8579 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(226, 111, 237)` looks like.

```
.text, #text, p{  
    color:rgb(226, 111, 237)  
}
```

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(226, 111, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 111, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 52.3345, 33.6521, 83.8579 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(226, 111, 237) }
```



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

```
.border{ border-color:rgb(226, 111, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 111, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 111, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 111, 237);  
box-shadow:4px 4px 4px 4px rgb(226, 111,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.3345, 33.6521, 83.8579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 111, 237) }
```

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

```
.background{ background-color: rgb(226,  
111, 237) }
```

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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