

# Converting Colors

XYZ(54.4066, 40.5678, 65.0849)

Have a look what the booklet for  
XYZ(54.4066, 40.5678, 65.0849)  
contains.

<b>XYZ(54.4910, 40.6833, 65.3023)</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(54.4910, 40.6833,  
65.3023)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E98CD1
RGB	233, 140, 209
RGB Percent	91%, 55%, 82%
CMY	0.0863, 0.4510, 0.1804
CMYK	0.00, 0.40, 0.10, 0.09
HSL	315°, 68%, 73%
HSV	315°, 40%, 91%
XYZ	54.4910, 40.6833, 65.3023
YIQ	175.6730, 33.2790, 41.1750

# Conversions

## Conversions Part 2

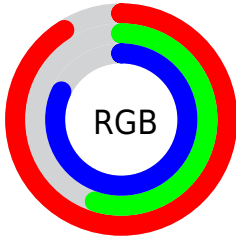
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	233, 140, 209
Decimal	15305937
CIE Lab	69.95, 44.88, -20.47
CIE LCh	70, 49.325, 335.484
Yxy	40.6833, 0.3396, 0.2535
Android (android.graphics.Color)	4293496017 (0xFFE98CD1)
YUV	175.6730, 16.4302, 50.2758
Hunter-Lab	63.7835, 40.8737, -16.0534

# Details

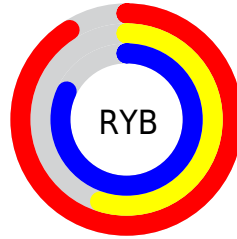
The XYZ color **54.4910, 40.6833, 65.3023** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **46.6568, 66.5349, 45.5082**, and the grayscale version is **41.0030, 43.1383, 46.9776**.

A 20% lighter version of the original color is **78.8051, 67.5102, 103.4850**, and **27.1454, 18.3796, 32.6887** is the 20% darker color. If you saturate the color by 10%, you get **50.7097, 34.2891, 60.4379**, and if you desaturate by 10%, it is **59.0237, 48.5340, 70.5566**.

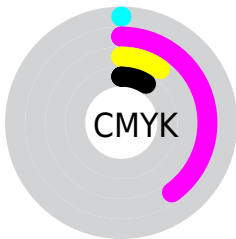
# Distribution



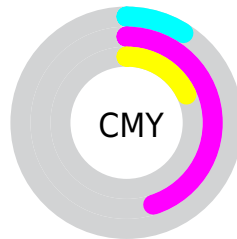
- Red (91%)
- Green (55%)
- Blue (82%)



- Red (91%)
- Yellow (55%)
- Blue (82%)



- Cyan (0%)
- Magenta (40%)
- Yellow (10%)
- Black (9%)




- Cyan (9%)
- Magenta (45%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.4910, 40.6833, 65.3023 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 54.4910, 40.6833, 65.3023 by changing the saturation by 10% instead.




 54.4910, 40.6833,  
65.3023

 54.4910, 40.6833,  
65.3023


394.1475,  
348.9952, 462.2134


 39.2266, 28.0717,  
47.2533


 95.9475, 76.2029,  
114.1018

 27.1176, 18.3797,  
32.8802


 122.8702, 99.8797,  
145.6894

 17.7986, 11.2229,  
21.7643


 154.4098,  
128.0137, 182.6270

 10.9043, 6.2170,  
13.4872

190.9316,  
160.9892, 225.3331

 6.0693, 2.9775,  
7.6302

232.8008,  
199.1908, 274.2263

 2.9283, 1.1200,  
3.7749

280.3830,

 1.1160, 0.0000,

243.0027, 329.7250

1.5027

334.0434,  
292.8094, 392.2479

■ 0.0384, 0.0000,  
0.2199

■ 0.0000, 0.0000,  
0.0000

■ 54.4910, 40.6833,  
65.3023

■ 54.4910, 40.6833,  
65.3023

■ 50.7097, 34.2891,  
60.4379

■ 59.0237, 48.5340,  
70.5566

■ 47.6297, 29.2539,  
55.9441

■ 64.3462, 57.9194,  
76.2139

■ 45.2010, 25.4772,  
51.8030

■ 70.4988, 68.9190,  
82.2895

■ 43.3648, 22.8419,  
47.9934

■ 77.5176, 81.6047,  
88.7969

42.0512, 21.2089,  
44.4905

84.9545, 95.0798,  
95.5881

41.1420, 20.3423,  
41.2533

85.8583, 95.4413,  
100.3474

41.1347, 20.3358,  
41.2255

86.7920, 95.8148,  
105.2640

87.4146, 96.0638,  
108.5427

# Harmonies

## Analogous

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



48.3439, 40.6833, 90.9567



54.4910, 40.6833, 65.3023



56.1692, 40.6833, 40.2031

# Triad

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



54.4910, 40.6833, 65.3023



37.2110, 40.6833, 13.2448



27.4064, 40.6833, 75.2523

# Complementary

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



54.4910, 40.6833, 65.3023



46.6568, 66.5349, 45.5082

# 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.



25.2421, 40.6833, 48.6602



54.4910, 40.6833, 65.3023



30.3782, 40.6833, 17.1601

# Square

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



54.4910, 40.6833, 65.3023



45.4374, 40.6833, 15.0104



26.2498, 40.6833, 28.3617



32.6072, 40.6833, 97.9579



# Rectangle

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



54.4910, 40.6833, 65.3023



54.3525, 40.6833, 27.8616



26.2498, 40.6833, 28.3617



26.3350, 40.6833, 66.1835

# Sweetspot

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



54.4923, 40.6852, 65.3031



84.8077, 81.5083, 99.3417



39.2435, 32.4546, 81.2875



17.9338, 17.0544, 21.0505



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.



54.4923, 40.6852, 65.3031



62.9477, 43.2757, 75.1383



49.6172, 38.7352, 39.6316



15.5391, 15.2435, 18.1244



23.3936, 11.5601, 23.6715



1.8757, 0.9232, 2.0628



# Inverse Universe

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



54.4923, 40.6852, 65.3031



62.9477, 43.2757, 75.1383



51.5574, 68.4951, 71.3146



15.5391, 15.2435, 18.1244



23.3936, 11.5601, 23.6715

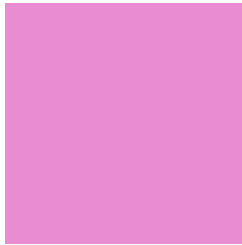


1.8757, 0.9232, 2.0628



# Previews

## White Background



This preview shows how the XYZ color 54.4910, 40.6833, 65.3023 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

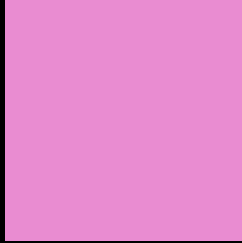
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.4910, 40.6833, 65.3023 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

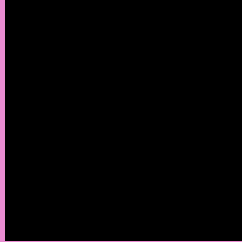
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 54.4910, 40.6833, 65.3023**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.4910, 40.6833, 65.3023.



This preview shows how white text looks on a background with the XYZ color 54.4910, 40.6833,



# 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

54.4910, 40.6833, 65.3023

### Protanopia

41.7973, 40.9591, 80.5659

### Deuteranopia

41.7311, 40.7677, 62.7962



## Tritanopia

49.0179, 40.7168, 38.9938

# Trichromacy



## Original Color

54.4910, 40.6833, 65.3023



## Protanomaly

44.9401, 39.7949, 74.4198



## Deuteranomaly

45.4457, 40.0395, 63.7257



## Tritanomaly

50.6279, 40.4301, 47.2549

# Monochromacy



## Original Color

54.4910, 40.6833, 65.3023



## Achromatopsia

41.2663, 43.4154, 47.2793



## Achromatomaly

45.2003, 41.6955, 53.2427

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.4910, 40.6833, 65.3023 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(233, 140, 209)` looks like.

```
.text, #text, p{  
    color:rgb(233, 140, 209)  
}
```

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(233, 140, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 140, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 54.4910, 40.6833, 65.3023 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(233, 140, 209) }
```



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

```
.border{ border-color:rgb(233, 140, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 140, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 140, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 140, 209);  
box-shadow:4px 4px 4px 4px rgb(233, 140,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.4910, 40.6833, 65.3023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 140, 209) }
```

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

```
.background{ background-color: rgb(233,  
140, 209) }
```

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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