

# Converting Colors

XYZ(53.3941, 42.0605, 54.4459)

Have a look what the booklet for  
XYZ(53.3941, 42.0605, 54.4459)  
contains.

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# Color

**XYZ(53.5981, 42.2650,  
54.6233)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E994BF
RGB	233, 148, 191
RGB Percent	91%, 58%, 75%
CMY	0.0863, 0.4196, 0.2510
CMYK	0.00, 0.36, 0.18, 0.09
HSL	330°, 66%, 75%
HSV	330°, 36%, 91%
XYZ	53.5981, 42.2650, 54.6233
YIQ	178.3170, 36.8570, 31.3930

# Conversions

## Conversions Part 2

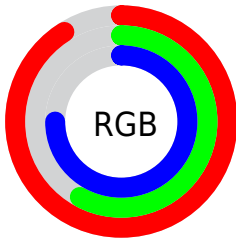
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	233, 148, 191
Decimal	15307967
CIE Lab	71.05, 37.86, -8.82
CIE LCh	71, 38.871, 346.878
Yxy	42.2650, 0.3562, 0.2809
Android (android.graphics.Color)	4293498047 (0xFFE994BF)
YUV	178.3170, 6.2527, 47.9570
Hunter-Lab	65.0115, 33.3923, -4.3079

# Details

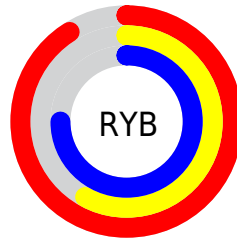
The XYZ color **53.5981, 42.2650, 54.6233** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **50.6477, 68.2925, 59.2306**, and the grayscale version is **42.4401, 44.6502, 48.6241**.

A 20% lighter version of the original color is **79.3844, 70.6873, 97.4557**, and **26.6748, 19.4308, 26.3894** is the 20% darker color. If you saturate the color by 10%, you get **49.0869, 35.1910, 47.1122**, and if you desaturate by 10%, it is **58.9469, 50.8539, 62.9060**.

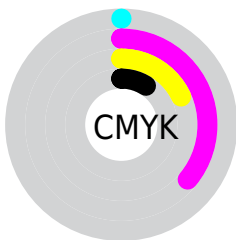
# Distribution



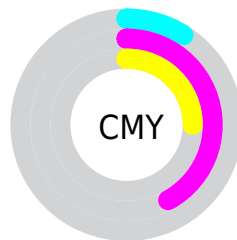
- Red (91%)
- Green (58%)
- Blue (75%)



- Red (91%)
- Yellow (58%)
- Blue (75%)



- Cyan (0%)
- Magenta (36%)
- Yellow (18%)
- Black (9%)




- Cyan (9%)
- Magenta (42%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.5981, 42.2650, 54.6233 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 53.5981, 42.2650, 54.6233 by changing the saturation by 10% instead.




 53.5981, 42.2650,  
54.6233


 53.5981, 42.2650,  
54.6233


390.7990,  
355.5803, 421.7240

 38.5098, 29.3088,  
38.7036

 94.6442, 78.6005,  
98.4544

 26.5576, 19.3146,  
26.2232


 121.3328,  
102.7487, 127.2030

 17.3761, 11.8978,  
16.7634


152.6189,  
131.3963, 161.0649

 10.6000, 6.6741,  
9.9058

188.8678,  
164.9278, 200.4587

 5.8638, 3.2592,  
5.2318

230.4449,  
203.7276, 245.8030

 2.8023, 1.2685,  
2.3228

277.7156,

 1.0501, 0.1166,

248.1800, 297.5163

0.7439

331.0452,  
298.6694, 356.0171

■ 0.0000, 0.0000,  
0.0000

■ 53.5981, 42.2650,  
54.6233

■ 53.5981, 42.2650,  
54.6233

■ 49.0869, 35.1910,  
47.1122

■ 58.9469, 50.8539,  
62.9060

■ 45.3631, 29.5362,  
40.3432

■ 65.1725, 61.0340,  
71.9829

■ 42.3762, 25.2035,  
34.2886

■ 72.3161, 72.8836,  
81.8787

■ 40.0681, 22.0804,  
28.9167

■ 80.4149, 86.4740,  
92.6159

■ 38.3714, 20.0358,  
24.1925

■ 86.3961, 95.6564,  
103.1802

■ 37.2014, 18.9050,  
20.0746

■ 87.4144, 96.0637,  
108.5427

■ 36.8664, 18.6285,  
18.7501

# Harmonies

## Analogous

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



49.9905, 42.2650, 75.0418



53.5981, 42.2650, 54.6233



53.3418, 42.2650, 36.3995

# Triad

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



53.5981, 42.2650, 54.6233



36.6548, 42.2650, 19.5836



32.2278, 42.2650, 77.3609

# Complementary

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



53.5981, 42.2650, 54.6233



50.6477, 68.2925, 59.2306

# 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.



29.3700, 42.2650, 57.2004



53.5981, 42.2650, 54.6233



31.7308, 42.2650, 25.6504

# Square

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



53.5981, 42.2650, 54.6233



43.0731, 42.2650, 19.2424



29.1985, 42.2650, 38.3700



37.4034, 42.2650, 90.3617



# Rectangle

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



53.5981, 42.2650, 54.6233



51.0086, 42.2650, 27.7245



29.1985, 42.2650, 38.3700



30.9897, 42.2650, 70.9839

# Sweetspot

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



53.5993, 42.2670, 54.6242



84.5934, 82.5300, 94.7996



46.3066, 37.8947, 81.9650



17.8517, 17.2424, 19.9376



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.



53.5993, 42.2670, 54.6242



61.4061, 44.9944, 59.8210



49.6539, 40.6888, 33.8476



15.3834, 15.1812, 17.3042



20.9815, 10.5953, 10.9697



1.6961, 0.8514, 1.1172



# Inverse Universe

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



53.5993, 42.2670, 54.6242



61.4061, 44.9944, 59.8210



55.8593, 70.3771, 86.6745



15.3834, 15.1812, 17.3042



20.9815, 10.5953, 10.9697

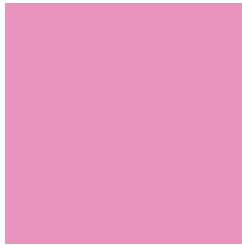


1.6961, 0.8514, 1.1172



# Previews

## White Background



This preview shows how the XYZ color 53.5981, 42.2650, 54.6233 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

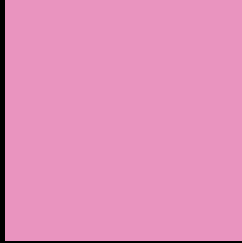
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.5981, 42.2650, 54.6233 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

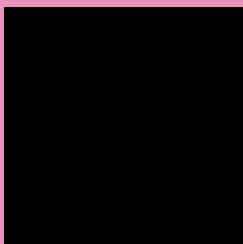
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 53.5981, 42.2650, 54.6233**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.5981, 42.2650, 54.6233.



This preview shows how white text looks on a background with the XYZ color 53.5981, 42.2650,

54.6233.

# 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

53.5981, 42.2650, 54.6233

### Protanopia

42.1424, 42.6076, 65.0344

### Deuteranopia

43.1652, 42.2781, 52.8991



## Tritanopia

50.7252, 42.2858, 40.6104

# Trichromacy



## Original Color

53.5981, 42.2650, 54.6233



## Protanomaly

45.3039, 41.8443, 60.9473



## Deuteranomaly

46.1791, 41.6771, 53.1875



## Tritanomaly

51.6616, 42.1781, 45.4627

# Monochromacy



## Original Color

53.5981, 42.2650, 54.6233



## Achromatopsia

42.3164, 44.5201, 48.4824



## Achromatomaly

45.6547, 43.0621, 50.7053

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.5981, 42.2650, 54.6233 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, 148, 191)` looks like.

```
.text, #text, p{  
    color:rgb(233, 148, 191)  
}
```

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, 148, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 148, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 53.5981, 42.2650, 54.6233 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, 148, 191) }
```



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

```
.border{ border-color:rgb(233, 148, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 148, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 148, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 148, 191);  
box-shadow:4px 4px 4px 4px rgb(233, 148,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.5981, 42.2650, 54.6233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 148, 191) }
```

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

```
.background{ background-color: rgb(233,  
148, 191) }
```

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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