

# Converting Colors

XYZ(54.5094, 33.7839, 49.5592)

Have a look what the booklet for  
XYZ(54.5094, 33.7839, 49.5592)  
contains.

<b>XYZ(54.5541, 33.8771, 49.5626)</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(54.5541, 33.8771,  
49.5626)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF64B9
RGB	255, 100, 185
RGB Percent	100%, 39%, 73%
CMY	0.0000, 0.6078, 0.2745
CMYK	0.00, 0.61, 0.27, 0.00
HSL	327°, 100%, 70%
HSV	327°, 61%, 100%
XYZ	54.5541, 33.8771, 49.5626
YIQ	156.0350, 65.0950, 59.2950

# Conversions

## Conversions Part 2

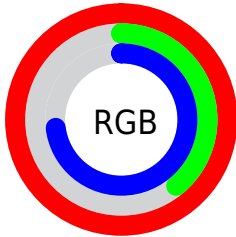
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 100, 185
Decimal	16737465
CIE <sub>Lab</sub>	64.86, 66.97, -14.43
CIE <sub>LCh</sub>	65, 68.508, 347.843
Yxy	33.8771, 0.3953, 0.2455
Android (android.graphics.Color)	4294927545 (0xFFFF64B9)
YUV	156.0350, 14.2797, 86.7923
Hunter-Lab	58.2040, 65.4493, -9.7445

# Details

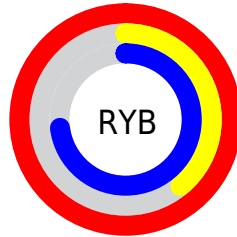
The XYZ color **54.5541, 33.8771, 49.5626** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **48.2729, 77.1324, 50.3779**, and the grayscale version is **31.5349, 33.1772, 36.1300**.

A 20% lighter version of the original color is **69.3440, 52.0646, 89.6137**, and **27.0439, 14.3970, 23.1833** is the 20% darker color. If you saturate the color by 10%, you get **51.3126, 29.2616, 42.7248**, and if you desaturate by 10%, it is **58.6610, 40.0654, 57.1755**.

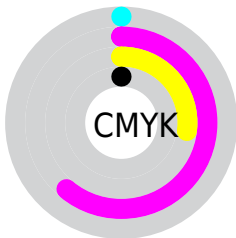
# Distribution



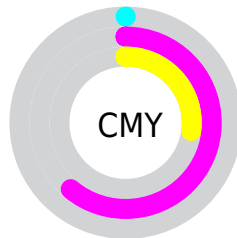
- Red (100%)
- Green (39%)
- Blue (73%)



- Red (100%)
- Yellow (39%)
- Blue (73%)



- Cyan (0%)
- Magenta (61%)
- Yellow (27%)
- Black (0%)




- Cyan (0%)
- Magenta (61%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.5541, 33.8771, 49.5626 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 54.5541, 33.8771, 49.5626 by changing the saturation by 10% instead.





 54.5541, 33.8771,  
49.5626

 54.5541, 33.8771,  
49.5626

394.3834,  
319.5837, 401.6389


 39.2773, 22.7992,  
34.6972


 96.0395, 65.7425,  
90.9161


 27.1572, 14.4453,  
23.1481


 122.9787, 87.2988,  
118.2413

 17.8285, 8.4310,  
14.4965


 154.5361,  
113.1167, 150.5568

 10.9259, 4.3720,  
8.3241

 191.0771,  
143.5805, 188.2813

 6.0839, 1.8837,  
4.2123

232.9670,  
179.0748, 231.8332

 2.9373, 0.5386,  
1.7425

280.5711,

 1.1207, 0.0000,

219.9838, 281.6311

0.3896

334.2548,  
266.6920, 338.0935

■ 0.0423, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.5541, 33.8771,  
49.5626

■ 54.5541, 33.8771,  
49.5626

■ 51.3126, 29.2616,  
42.7248

■ 58.6610, 40.0654,  
57.1755

■ 48.8574, 26.0648,  
36.6232

■ 63.6973, 47.9517,  
65.5948

■ 47.0980, 24.1097,  
31.2161

■ 69.7240, 57.6540,  
74.8520

■ 45.9614, 23.1485,  
26.7923

■ 76.7958, 69.2784,  
84.9756

84.9633, 82.9227,  
95.9926

94.2735, 98.6781,  
107.9284

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



48.4241, 33.8771, 86.7389



54.5541, 33.8771, 49.5626



53.8642, 33.8771, 22.6078

# Triad

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



54.5541, 33.8771, 49.5626



26.7249, 33.8771, 5.5622



21.0635, 33.8771, 93.6607

# Complementary

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



54.5541, 33.8771, 49.5626



48.2729, 77.1324, 50.3779

# 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.



17.2968, 33.8771, 56.1822



54.5541, 33.8771, 49.5626



20.0757, 33.8771, 11.1046

# Square

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



54.5541, 33.8771, 49.5626



36.3651, 33.8771, 5.1760



16.9766, 33.8771, 26.5799



28.3642, 33.8771, 119.6634



# Rectangle

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



54.5541, 33.8771, 49.5626



49.6398, 33.8771, 12.5731



16.9766, 33.8771, 26.5799



19.4128, 33.8771, 81.3125

# Sweetspot

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



54.5550, 33.8788, 49.5632



78.9551, 72.8661, 87.9486



39.1326, 24.8547, 97.3427



16.4165, 14.7936, 18.1591



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.



54.5550, 33.8788, 49.5632



50.7028, 28.4354, 41.3086



48.4919, 31.4535, 17.6353



18.4262, 18.1538, 20.8614



24.0922, 12.1262, 14.4018



2.4009, 1.2027, 1.6925



# Inverse Universe

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



54.5550, 33.8788, 49.5632



50.7028, 28.4354, 41.3086



57.8437, 80.9607, 100.7767



18.4262, 18.1538, 20.8614



24.0922, 12.1262, 14.4018



2.4009, 1.2027, 1.6925



# Previews

## White Background



This preview shows how the XYZ color 54.5541, 33.8771, 49.5626 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

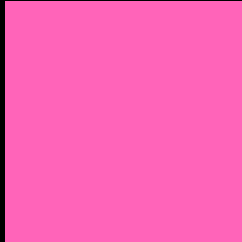
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.5541, 33.8771, 49.5626 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 54.5541, 33.8771, 49.5626**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.5541, 33.8771, 49.5626.



This preview shows how white text looks on a background with the XYZ color 54.5541, 33.8771,



# 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

54.5541, 33.8771, 49.5626

### Protanopia

35.3292, 34.0587, 75.2330

### Deuteranopia

34.8013, 34.1780, 46.3578



## Tritanopia

48.9545, 33.7638, 22.3492

# Trichromacy



## Original Color

54.5541, 33.8771, 49.5626



## Protanomaly

38.8872, 31.5648, 65.0158



## Deuteranomaly

39.7893, 32.2158, 47.3012



## Tritanomaly

50.7244, 33.6771, 30.6149

# Monochromacy



## Original Color

54.5541, 33.8771, 49.5626



## Achromatopsia

31.5995, 33.2452, 36.2040



## Achromatomaly

37.5174, 31.6048, 40.6822

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.5541, 33.8771, 49.5626 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(255, 100, 185)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 185)  
}
```

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(255, 100, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 54.5541, 33.8771, 49.5626 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(255, 100, 185) }
```



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

```
.border{ border-color:rgb(255, 100, 185) }
```

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

Here you see how a box with a 4 pixel rgb(255, 100, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 185);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
185) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.5541, 33.8771, 49.5626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 100, 185) }
```

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

```
.background{ background-color: rgb(255,  
100, 185) }
```

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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