

# Converting Colors

XYZ(65.1696, 37.9720, 53.8200)

Have a look what the booklet for  
XYZ(65.1696, 37.9720, 53.8200)  
contains.

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# Color

**XYZ(54.4106, 32.3781,  
53.2510)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF5AC0
RGB	255, 90, 192
RGB Percent	100%, 35%, 75%
CMY	0.0000, 0.6470, 0.2471
CMYK	0.00, 0.65, 0.25, 0.00
HSL	323°, 100%, 68%
HSV	323°, 65%, 100%
XYZ	54.4106, 32.3781, 53.2510
YIQ	150.9630, 65.5980, 66.7020

# Conversions

## Conversions Part 2

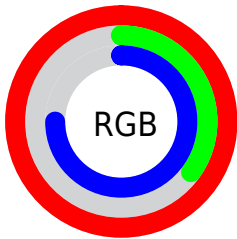
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">255, 90, 192</a>
Decimal	<a href="#">16734912</a>
CIELab	<a href="#">63.65, 71.83, -20.24</a>
CIElCh	<a href="#">64, 74.623, 344.263</a>
Yxy	<a href="#">32.3781, 0.3885, 0.2312</a>
Android (android.graphics.Color)	<a href="#">4294924992</a> (0xFFFF5AC0)
YUV	<a href="#">150.9630, 20.2312, 91.2404</a>
Hunter-Lab	<a href="#">56.9018, 71.1072, -15.6548</a>

# Details

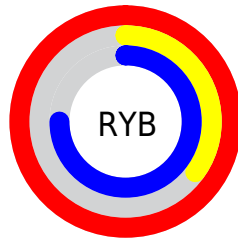
The XYZ color **54.4106, 32.3781, 53.2510** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **45.7278, 75.9943, 42.3990**, and the grayscale version is **29.2977, 30.8235, 33.5668**.

A 20% lighter version of the original color is **69.0863, 49.5944, 95.5540**, and **26.9553, 13.5437, 25.2382** is the 20% darker color. If you saturate the color by 10%, you get **51.5730, 28.3728, 47.1573**, and if you desaturate by 10%, it is **58.0585, 37.8897, 59.9676**.

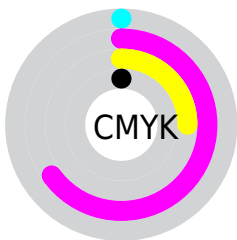
# Distribution



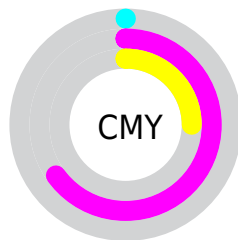
- Red (100%)
- Green (35%)
- Blue (75%)



- Red (100%)
- Yellow (35%)
- Blue (75%)



- Cyan (0%)
- Magenta (65%)
- Yellow (25%)
- Black (0%)




- Cyan (0%)
- Magenta (65%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.4106, 32.3781, 53.2510 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 54.4106, 32.3781, 53.2510 by changing the saturation by 10% instead.





 54.4106, 32.3781,  
53.2510


 54.4106, 32.3781,  
53.2510

393.8467,  
312.8380, 416.3409


 39.1620, 21.6505,  
37.6141


 95.8302, 63.4034,  
96.4189


 27.0671, 13.6003,  
25.3838


 122.7320, 84.4698,  
124.7870

 17.7604, 7.8432,  
16.1416


 154.2488,  
109.7512, 158.2358

 10.8768, 3.9948,  
9.4690

 190.7460,  
139.6321, 197.1840

 6.0507, 1.6706,  
4.9474

232.5891,  
174.4969, 242.0501

 2.9169, 0.4045,  
2.1582

280.1433,

 1.1100, 0.0000,

214.7298, 293.2526

0.6501

333.7741,  
260.7154, 351.2100

■ 0.0334, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.4106, 32.3781,  
53.2510

■ 54.4106, 32.3781,  
53.2510

■ 51.5730, 28.3728,  
47.1573

■ 58.0585, 37.8897,  
59.9676

■ 49.4629, 25.7105,  
41.6512

■ 62.5836, 45.0394,  
67.3351

■ 47.9826, 24.1979,  
36.6935

■ 68.0482, 53.9496,  
75.3809

■ 47.3799, 23.7160,  
34.2623

■ 74.5081, 64.7299,  
84.1298

82.0144, 77.4806,  
93.6050

90.6148, 92.2952,  
103.8282

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.



47.0115, 32.3781, 94.5018



54.4106, 32.3781, 53.2510



54.6063, 32.3781, 22.9067

# Triad

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



54.4106, 32.3781, 53.2510



26.0907, 32.3781, 3.7398



18.5248, 32.3781, 92.4982

# Complementary

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



54.4106, 32.3781, 53.2510



45.7278, 75.9943, 42.3990

# 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.



15.1357, 32.3781, 51.3925



54.4106, 32.3781, 53.2510



18.7864, 32.3781, 8.0363

# Square

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



54.4106, 32.3781, 53.2510



36.5440, 32.3781, 3.8262



15.2192, 32.3781, 21.8517



25.6465, 32.3781, 124.5403



# Rectangle

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



54.4106, 32.3781, 53.2510



50.5157, 32.3781, 11.7886



15.2192, 32.3781, 21.8517



16.9911, 32.3781, 78.5146

# Sweetspot

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



54.4114, 32.3797, 53.2516



78.6570, 71.7531, 89.4424



34.3779, 21.0660, 96.8620



16.3812, 14.5867, 18.5676



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.



54.4114, 32.3797, 53.2516



50.8011, 27.3549, 45.2783



47.8220, 29.7439, 18.5522



18.4814, 18.1759, 21.1524



24.8321, 12.4221, 18.2983



2.4711, 1.2308, 2.0624



# Inverse Universe

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



54.4114, 32.3797, 53.2516



50.8011, 27.3549, 45.2783



54.6855, 79.5774, 89.5695



18.4814, 18.1759, 21.1524



24.8321, 12.4221, 18.2983

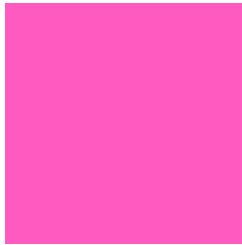


2.4711, 1.2308, 2.0624



# Previews

## White Background



This preview shows how the XYZ color 54.4106, 32.3781, 53.2510 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

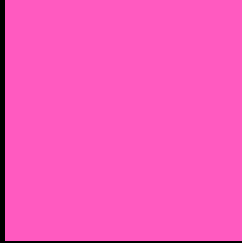
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.4106, 32.3781, 53.2510 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

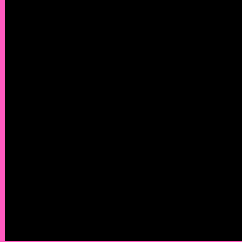
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 54.4106, 32.3781, 53.2510**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.4106, 32.3781, 53.2510.



This preview shows how white text looks on a background with the XYZ color 54.4106, 32.3781,



# 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

54.4106, 32.3781, 53.2510

### Protanopia

34.9730, 32.9146, 85.3988

### Deuteranopia

33.3242, 32.6200, 49.3397



## Tritanopia

47.3909, 32.1781, 20.5428

# Trichromacy



## Original Color

54.4106, 32.3781, 53.2510



## Protanomaly

37.9147, 29.6916, 72.1393



## Deuteranomaly

38.4514, 30.4522, 50.3056



## Tritanomaly

49.5691, 32.0256, 29.9545

# Monochromacy



## Original Color

54.4106, 32.3781, 53.2510



## Achromatopsia

29.4150, 30.9469, 33.7012



## Achromatomaly

35.7195, 29.2725, 39.8439

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.4106, 32.3781, 53.2510 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, 90, 192)` looks like.

```
.text, #text, p{  
    color:rgb(255, 90, 192)  
}
```

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, 90, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 90, 192) }
```

## Border

The CSS property to change the border of an element to XYZ 54.4106, 32.3781, 53.2510 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, 90, 192) }
```



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

```
.border{ border-color:rgb(255, 90, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 90, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 90, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 90, 192);  
box-shadow:4px 4px 4px 4px rgb(255, 90,  
192) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.4106, 32.3781, 53.2510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 90, 192) }
```

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

```
.background{ background-color: rgb(255, 90,  
192) }
```

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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