

# Converting Colors

XYZ(54.0596, 31.1674, 54.7023)

Have a look what the booklet for  
XYZ(54.0596, 31.1674, 54.7023)  
contains.

<b>XYZ(54.1076, 31.2347, 54.8069)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(54.1076, 31.2347,  
54.8069)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF52C3
RGB	255, 82, 195
RGB Percent	100%, 32%, 76%
CMY	0.0000, 0.6784, 0.2353
CMYK	0.00, 0.68, 0.24, 0.00
HSL	321°, 100%, 66%
HSV	321°, 68%, 100%
XYZ	54.1076, 31.2347, 54.8069
YIQ	146.6090, 66.8350, 71.8190

# Conversions

## Conversions Part 2

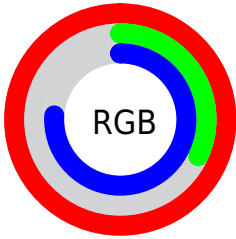
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 82, 195
Decimal	16732867
CIE <sub>Lab</sub>	62.71, 75.14, -23.40
CIE <sub>LCh</sub>	63, 78.702, 342.706
Yxy	31.2347, 0.3861, 0.2229
Android (android.graphics.Color)	4294922947 (0xFFFF52C3)
YUV	146.6090, 23.8568, 95.0589
Hunter-Lab	55.8880, 75.0095, -19.0215

# Details

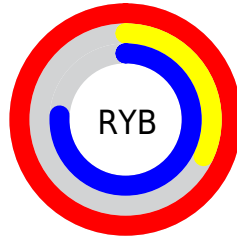
The XYZ color **54.1076, 31.2347, 54.8069** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **44.1237, 75.2675, 37.7973**, and the grayscale version is **27.4591, 28.8891, 31.4602**.

A 20% lighter version of the original color is **68.4837, 47.6343, 97.6803**, and **27.0559, 13.3924, 26.3583** is the 20% darker color. If you saturate the color by 10%, you get **51.5586, 27.6898, 49.1687**, and if you desaturate by 10%, it is **57.4315, 36.2342, 60.9962**.

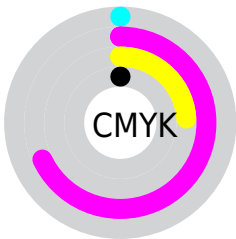
# Distribution



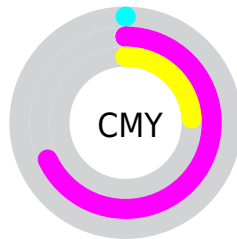
- Red (100%)
- Green (32%)
- Blue (76%)



- Red (100%)
- Yellow (32%)
- Blue (76%)



- Cyan (0%)
- Magenta (68%)
- Yellow (24%)
- Black (0%)




- Cyan (0%)
- Magenta (68%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.1076, 31.2347, 54.8069 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 54.1076, 31.2347, 54.8069 by changing the saturation by 10% instead.





 54.1076, 31.2347,  
54.8069


 54.1076, 31.2347,  
54.8069


392.7118,  
307.6181, 422.4408


 38.9187, 20.7776,  
38.8496

 95.3882, 61.6094,  
98.7263

 26.8769, 12.9616,  
26.3358

 122.2106, 82.2958,  
127.5254

 17.6169, 7.4021,  
16.8470


 153.6415,  
107.1608, 161.4423

 10.7733, 3.7148,  
9.9647

 190.0464,  
136.5888, 200.8954

 5.9808, 1.5153,  
5.2702

231.7905,  
170.9641, 246.3032

 2.8740, 0.2995,  
2.3452

279.2392,

 1.0875, 0.0000,

210.6711, 298.0844

0.7564

332.7578,  
256.0944, 356.6574

■ 0.0146, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.1076, 31.2347,  
54.8069

■ 54.1076, 31.2347,  
54.8069

■ 51.5586, 27.6898,  
49.1687

■ 57.4315, 36.2342,  
60.9962

■ 49.6972, 25.4273,  
44.0468

■ 61.5997, 42.8261,  
67.7638

■ 48.4113, 24.2242,  
39.3987

■ 66.6764, 51.1369,  
75.1361

■ 48.1741, 24.0336,  
38.4445

■ 72.7186, 61.2795,  
83.1369

■ 79.7786, 73.3566,  
91.7881

■ 87.9048, 87.4637,  
101.1103

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.



46.0218, 31.2347, 98.6570



54.1076, 31.2347, 54.8069



54.7488, 31.2347, 22.5837

# Triad

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



54.1076, 31.2347, 54.8069



25.3710, 31.2347, 2.7846



16.9459, 31.2347, 92.0001

# Complementary

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



54.1076, 31.2347, 54.8069



44.1237, 75.2675, 37.7973

# 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.



13.7493, 31.2347, 48.7555



54.1076, 31.2347, 54.8069



17.7634, 31.2347, 6.4255

# Square

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



54.1076, 31.2347, 54.8069



36.2631, 31.2347, 3.0222



14.0071, 31.2347, 19.2772



23.9594, 31.2347, 127.5689



# Rectangle

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



54.1076, 31.2347, 54.8069



50.6881, 31.2347, 11.0091



14.0071, 31.2347, 19.2772



15.4749, 31.2347, 77.0490

# Sweetspot

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



54.1084, 31.2362, 54.8075



78.1645, 70.5784, 89.8627



31.8283, 18.8032, 96.5596



16.2967, 14.3631, 18.7082



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.



54.1084, 31.2362, 54.8075



50.9003, 26.8448, 47.4957



47.1186, 28.4403, 17.9993



18.5093, 18.1871, 21.2993



25.2452, 12.5874, 20.4734



2.5096, 1.2462, 2.2651



# Inverse Universe

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



54.1084, 31.2362, 54.8075



50.9003, 26.8448, 47.4957



52.9911, 78.8145, 84.4924



18.5093, 18.1871, 21.2993



25.2452, 12.5874, 20.4734

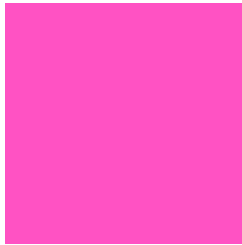


2.5096, 1.2462, 2.2651



# Previews

## White Background



This preview shows how the XYZ color 54.1076, 31.2347, 54.8069 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

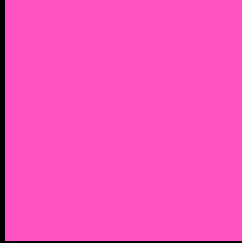
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.1076, 31.2347, 54.8069 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 54.1076, 31.2347, 54.8069**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.1076, 31.2347, 54.8069.



This preview shows how white text looks on a background with the XYZ color 54.1076, 31.2347,



# 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

54.1076, 31.2347, 54.8069

### Protanopia

34.3214, 31.7261, 91.5036

### Deuteranopia

32.0821, 31.4817, 50.2846



## Tritanopia

46.6876, 31.2295, 18.8964

# Trichromacy



## Original Color

54.1076, 31.2347, 54.8069



## Protanomaly

36.7158, 28.2126, 76.1835



## Deuteranomaly

37.2580, 29.0327, 51.7843



## Tritanomaly

48.9408, 31.0116, 28.9976

# Monochromacy



## Original Color

54.1076, 31.2347, 54.8069



## Achromatopsia

27.7328, 29.1771, 31.7738



## Achromatomaly

34.0335, 27.2854, 38.5948

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.1076, 31.2347, 54.8069 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, 82, 195)` looks like.

```
.text, #text, p{  
    color:rgb(255, 82, 195)  
}
```

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, 82, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 82, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 54.1076, 31.2347, 54.8069 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, 82, 195) }
```



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

```
.border{ border-color:rgb(255, 82, 195) }
```

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

Here you see how a box with a 4 pixel rgb(255, 82, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 82, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 82, 195);  
box-shadow:4px 4px 4px 4px rgb(255, 82,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.1076, 31.2347, 54.8069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 82, 195) }
```

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

```
.background{ background-color: rgb(255, 82,  
195) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor