

# Converting Colors

XYZ(56.1752, 34.0663, 59.5145)

Have a look what the booklet for  
XYZ(56.1752, 34.0663, 59.5145)  
contains.

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# Color

**XYZ(56.1754, 34.0737,  
59.4932)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF61CA
RGB	255, 97, 202
RGB Percent	100%, 38%, 79%
CMY	0.0000, 0.6196, 0.2078
CMYK	0.00, 0.62, 0.21, 0.00
HSL	320°, 100%, 69%
HSV	320°, 62%, 100%
XYZ	56.1754, 34.0737, 59.4932
YIQ	156.2120, 60.4630, 66.1510

# Conversions

## Conversions Part 2

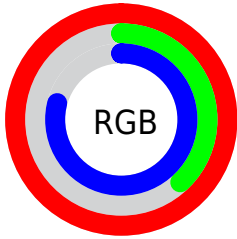
Format	Color
R <sub>Y</sub> B	255, 97, 202
Decimal	16736714
CIE Lab	65.02, 70.38, -23.81
CIE LCh	65, 74.295, 341.305
Yxy	34.0737, 0.3751, 0.2275
Android (android.graphics.Color)	4294926794 (0xFFFF61CA)
YUV	156.2120, 22.5735, 86.6371
Hunter-Lab	58.3727, 69.6287, -19.5672

# Details

The XYZ color **56.1754, 34.0737, 59.4932** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **46.1964, 76.2641, 41.1432**, and the grayscale version is **31.5795, 33.2241, 36.1811**.

A 20% lighter version of the original color is **71.0113, 51.9227, 100.8871**, and **28.2903, 14.6190, 29.3476** is the 20% darker color. If you saturate the color by 10%, you get **53.2012, 29.7017, 53.6425**, and if you desaturate by 10%, it is **59.9643, 39.9851, 65.8932**.

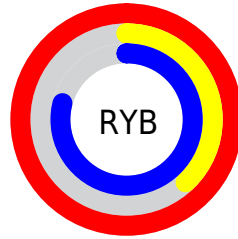
# Distribution



Red (100%)

Green (38%)

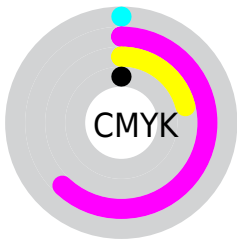
Blue (79%)



Red (100%)

Yellow (38%)

Blue (79%)

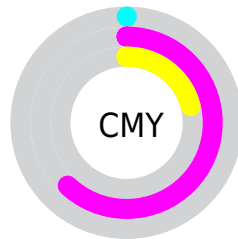


Cyan (0%)

Magenta (62%)

Yellow (21%)

Black (0%)



Cyan (0%)

Magenta (62%)


Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.1754, 34.0737, 59.4932 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 56.1754, 34.0737, 59.4932 by changing the saturation by 10% instead.





 56.1754, 34.0737,  
59.4932


 56.1754, 34.0737,  
59.4932


400.4165,  
320.4606, 440.4799


 40.5811, 22.9502,  
42.5876

 98.3993, 66.0483,  
105.6303


 28.1782, 14.5568,  
29.2327

 125.7596, 87.6681,  
135.6989

 18.6011, 8.5089,  
19.0098


 157.7727,  
113.5556, 170.9923

 11.4847, 4.4223,  
11.5005

 194.8039,  
144.0950, 211.9290

 6.4635, 1.9125,  
6.2862

237.2185,  
179.6709, 258.9276

 3.1723, 0.5559,  
2.9483

285.3819,

 1.2455, 0.0000,

220.6675, 312.4066

1.0683

339.6594,  
267.4692, 372.7845

■ 0.1418, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.1754, 34.0737,  
59.4932

■ 56.1754, 34.0737,  
59.4932

■ 53.2012, 29.7017,  
53.6425

■ 59.9643, 39.9851,  
65.8932

■ 50.9629, 26.7129,  
48.3094

■ 64.6318, 47.5627,  
72.8671

■ 49.3692, 24.9264,  
43.4591

■ 70.2381, 56.9253,  
80.4395

■ 48.4445, 24.1418,  
39.8686

■ 76.8373, 68.1796,  
88.6327

84.4791, 81.4237,  
97.4672

93.2098, 96.7492,  
106.9625

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.



48.0347, 34.0737, 101.7015



56.1754, 34.0737, 59.4932



57.1768, 34.0737, 26.6642

# Triad

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



56.1754, 34.0737, 59.4932



28.5009, 34.0737, 4.0638



19.2082, 34.0737, 91.4955

# Complementary

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



56.1754, 34.0737, 59.4932



46.1964, 76.2641, 41.1432

# 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.



16.0518, 34.0737, 49.9564



56.1754, 34.0737, 59.4932



20.5690, 34.0737, 8.0325

# Square

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



56.1754, 34.0737, 59.4932



39.4733, 34.0737, 4.5329



16.4876, 34.0737, 21.1771



26.2023, 34.0737, 126.1655



# Rectangle

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



56.1754, 34.0737, 59.4932



53.4509, 34.0737, 14.0596



16.4876, 34.0737, 21.1771



17.7413, 34.0737, 77.1407

# Sweetspot

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



56.1762, 34.0753, 59.4938



78.9866, 71.8850, 91.1777



34.8430, 22.2240, 97.0610



16.4611, 14.6187, 18.9887



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.



56.1762, 34.0753, 59.4938



52.6869, 28.9840, 52.5121



49.1120, 31.2496, 22.2941



18.5184, 18.1907, 21.3473



25.3857, 12.6436, 21.2132



2.5226, 1.2514, 2.3334



# Inverse Universe

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



56.1762, 34.0753, 59.4938



52.6869, 28.9840, 52.5121



54.7872, 79.7005, 86.3821



18.5184, 18.1907, 21.3473



25.3857, 12.6436, 21.2132



2.5226, 1.2514, 2.3334



# Previews

## White Background



This preview shows how the XYZ color 56.1754, 34.0737, 59.4932 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

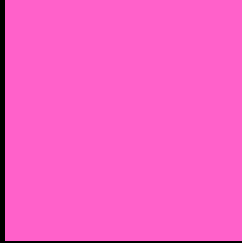
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.1754, 34.0737, 59.4932 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

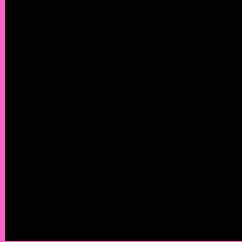
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 56.1754, 34.0737, 59.4932**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.1754, 34.0737, 59.4932.



This preview shows how white text looks on a background with the XYZ color 56.1754, 34.0737,



# 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

56.1754, 34.0737, 59.4932

### Protanopia

36.8133, 34.4565, 91.8993

### Deuteranopia

35.0573, 34.3609, 55.2367



## Tritanopia

48.5949, 33.9025, 23.0514

# Trichromacy



## Original Color

56.1754, 34.0737, 59.4932



## Protanomaly

39.8213, 31.5340, 78.8508



## Deuteranomaly

40.2271, 32.2422, 56.3277



## Tritanomaly

50.9198, 33.7135, 33.5294

# Monochromacy



## Original Color

56.1754, 34.0737, 59.4932



## Achromatopsia

31.5995, 33.2452, 36.2040



## Achromatomaly

37.9450, 31.5515, 43.6253

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.1754, 34.0737, 59.4932 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, 97, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 97, 202)  
}
```

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, 97, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 97, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 56.1754, 34.0737, 59.4932 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, 97, 202) }
```



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

```
.border{ border-color:rgb(255, 97, 202) }
```

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

Here you see how a box with a 4 pixel rgb(255, 97, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 97, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 97, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 97,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.1754, 34.0737, 59.4932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 97, 202) }
```

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

```
.background{ background-color: rgb(255, 97,  
202) }
```

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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