

# Converting Colors

XYZ(52.2015, 34.0736, 33.6669)

Have a look what the booklet for  
XYZ(52.2015, 34.0736, 33.6669)  
contains.

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# Color

**XYZ(52.1652, 34.0424,  
33.5272)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF6B98
RGB	255, 107, 152
RGB Percent	100%, 42%, 60%
CMY	0.0000, 0.5804, 0.4039
CMYK	0.00, 0.58, 0.40, 0.00
HSL	342°, 100%, 71%
HSV	342°, 58%, 100%
XYZ	52.1652, 34.0424, 33.5272
YIQ	156.3820, 73.7630, 45.3710

# Conversions

## Conversions Part 2

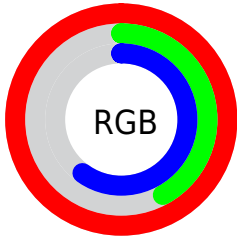
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 107, 152
Decimal	16739224
CIE Lab	65.00, 60.25, 4.59
CIE LCh	65, 60.425, 4.360
Yxy	34.0424, 0.4357, 0.2843
Android (android.graphics.Color)	4294929304 (0xFFFF6B98)
YUV	156.3820, -2.1603, 86.4880
Hunter-Lab	58.3459, 57.4860, 6.7724

# Details

The XYZ color **52.1652, 34.0424, 33.5272** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **53.4582, 79.2998, 73.4667**, and the grayscale version is **31.7582, 33.4121, 36.3857**.

A 20% lighter version of the original color is **65.6560, 52.2672, 65.0206**, and **25.6540, 14.5228, 13.7630** is the 20% darker color. If you saturate the color by 10%, you get **48.5411, 28.9490, 25.6763**, and if you desaturate by 10%, it is **56.7923, 40.7936, 42.7861**.

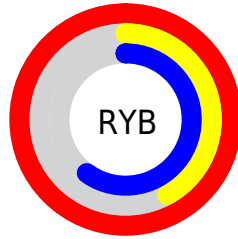
# Distribution



Red (100%)

Green (42%)

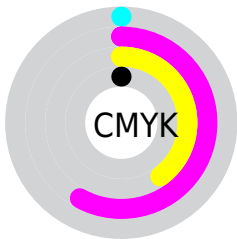
Blue (60%)



Red (100%)

Yellow (42%)

Blue (60%)

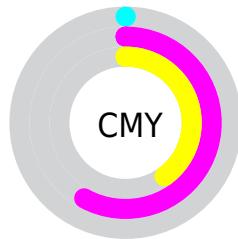


Cyan (0%)

Magenta (58%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (58%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.1652, 34.0424, 33.5272 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 52.1652, 34.0424, 33.5272 by changing the saturation by 10% instead.



 52.1652, 34.0424,  
33.5272


 52.1652, 34.0424,  
33.5272

385.3875,  
320.3211, 332.7233


 37.3616, 22.9262,  
22.2562


 92.5476, 65.9996,  
66.3232


 25.6625, 14.5390,  
13.8452


 118.8571, 87.6094,  
88.6853

 16.7027, 8.4965,  
7.8755


 149.7326,  
113.4858, 115.5815

 10.1167, 4.4143,  
3.9288

 185.5395,  
144.0132, 147.4304

 5.5393, 1.9079,  
1.5864

226.6430,  
179.5760, 184.6505

 2.6050, 0.5531,  
0.2811

273.4087,

 0.9485, 0.0000,

220.5587, 227.6603

0.0000

326.2017,  
267.3456, 276.8784

■ 0.0000, 0.0000,  
0.0000

■ 52.1652, 34.0424,  
33.5272

■ 52.1652, 34.0424,  
33.5272

■ 48.5411, 28.9490,  
25.6763

■ 56.7923, 40.7936,  
42.7861

■ 45.8364, 25.3619,  
19.1571

■ 62.4911, 49.3258,  
53.5196

■ 43.9578, 23.1107,  
13.8878

■ 69.3274, 59.7567,  
65.7919

■ 42.7799, 21.9630,  
9.7712

■ 77.3606, 72.1924,  
79.6627

■ 42.5981, 21.8032,  
9.0820

■ 86.6459, 86.7309,  
95.1883

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.



49.9886, 34.0424, 62.0274



52.1652, 34.0424, 33.5272



48.3009, 34.0424, 16.0024

# Triad

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



52.1652, 34.0424, 33.5272



23.7703, 34.0424, 9.8454



25.6175, 34.0424, 99.5646

# Complementary

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



52.1652, 34.0424, 33.5272



53.4582, 79.2998, 73.4667

# 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.



20.3747, 34.0424, 71.3939



52.1652, 34.0424, 33.5272



19.4506, 34.0424, 19.9015

# Square

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



52.1652, 34.0424, 33.5272



31.0957, 34.0424, 6.8126



18.3292, 34.0424, 40.8463



33.6505, 34.0424, 108.7172



# Rectangle

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



52.1652, 34.0424, 33.5272



43.1660, 34.0424, 10.1022



18.3292, 34.0424, 40.8463



23.5211, 34.0424, 91.5315

# Sweetspot

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



52.1661, 34.0442, 33.5278



78.2634, 73.5991, 81.1932



49.3593, 31.1668, 98.0219



16.3794, 15.1737, 16.7468



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.



52.1661, 34.0442, 33.5278



47.9400, 28.1304, 24.2931



52.4388, 39.4107, 18.7555



18.2367, 18.0780, 19.8635



22.3162, 11.4158, 5.0494



2.2190, 1.1300, 0.7345



# Inverse Universe

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



52.1661, 34.0442, 33.5278



47.9400, 28.1304, 24.2931



51.8216, 65.7606, 104.5694



18.2367, 18.0780, 19.8635



22.3162, 11.4158, 5.0494



2.2190, 1.1300, 0.7345



# Previews

## White Background



This preview shows how the XYZ color 52.1652, 34.0424, 33.5272 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

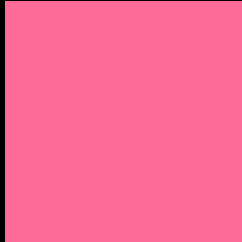
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.1652, 34.0424, 33.5272 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 52.1652, 34.0424, 33.5272**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.1652, 34.0424, 33.5272.



This preview shows how white text looks on a background with the XYZ color 52.1652, 34.0424,

33.5272.

# 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

52.1652, 34.0424, 33.5272

### Protanopia

33.7239, 34.3202, 48.5631

### Deuteranopia

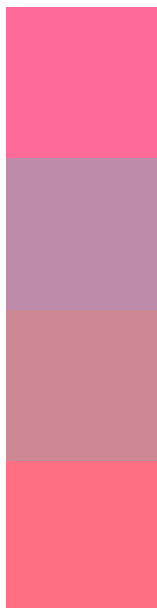
34.6992, 33.9658, 31.5153



## Tritanopia

49.8643, 34.0734, 22.0378

# Trichromacy



## Original Color

52.1652, 34.0424, 33.5272

## Protanomaly

37.9742, 32.4439, 42.2910

## Deuteranomaly

39.6031, 32.8682, 32.2739

## Tritanomaly

50.7223, 34.1057, 25.7395

# Monochromacy



## Original Color

52.1652, 34.0424, 33.5272

## Achromatopsia

31.5995, 33.2452, 36.2040

## Achromatomaly

36.7431, 31.7500, 35.2021

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.1652, 34.0424, 33.5272 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, 107, 152)` looks like.

```
.text, #text, p{  
    color:rgb(255, 107, 152)  
}
```

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, 107, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 107, 152) }
```

## Border

The CSS property to change the border of an element to XYZ 52.1652, 34.0424, 33.5272 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, 107, 152) }
```



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

```
.border{ border-color:rgb(255, 107, 152) }
```

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

Here you see how a box with a 4 pixel rgb(255, 107, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 107, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 107, 152);  
box-shadow:4px 4px 4px 4px rgb(255, 107,  
152) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.1652, 34.0424, 33.5272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 107, 152) }
```

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

```
.background{ background-color: rgb(255,  
107, 152) }
```

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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