

# Converting Colors

XYZ(52.7325, 33.0643, 40.2293)

Have a look what the booklet for  
XYZ(52.7325, 33.0643, 40.2293)  
contains.

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# Color

**XYZ(52.6769, 32.9737,  
40.1474)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF63A7
RGB	255, 99, 167
RGB Percent	100%, 39%, 65%
CMY	0.0000, 0.6117, 0.3451
CMYK	0.00, 0.61, 0.35, 0.00
HSL	334°, 100%, 69%
HSV	334°, 61%, 100%
XYZ	52.6769, 32.9737, 40.1474
YIQ	153.3960, 71.1480, 54.2200

# Conversions

## Conversions Part 2

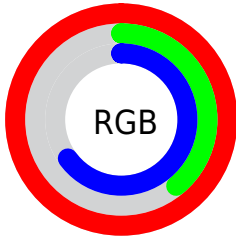
Format	Color
R <sub>Y</sub> B	255, 99, 167
Decimal	16737191
CIE Lab	64.14, 65.28, -5.24
CIE LCh	64, 65.487, 355.407
Yxy	32.9737, 0.4187, 0.2621
Android (android.graphics.Color)	4294927271 (0xFFFF63A7)
YUV	153.3960, 6.7068, 89.1067
Hunter-Lab	57.4227, 63.2577, -1.2570

# Details

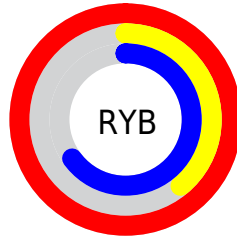
The XYZ color **52.6769, 32.9737, 40.1474** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **49.8771, 77.7614, 59.3990**, and the grayscale version is **30.4021, 31.9854, 34.8321**.

A 20% lighter version of the original color is **66.3133, 50.3109, 75.3231**, and **25.9437, 13.9092, 17.5370** is the 20% darker color. If you saturate the color by 10%, you get **49.3742, 28.3794, 32.8461**, and if you desaturate by 10%, it is **56.8918, 39.1553, 48.4832**.

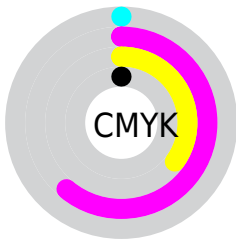
# Distribution



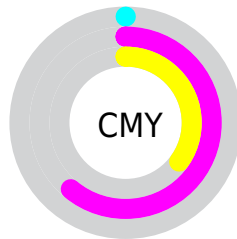
- Red (100%)
- Green (39%)
- Blue (65%)



- Red (100%)
- Yellow (39%)
- Blue (65%)



- Cyan (0%)
- Magenta (61%)
- Yellow (35%)
- Black (0%)




- Cyan (0%)
- Magenta (61%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.6769, 32.9737, 40.1474 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 52.6769, 32.9737, 40.1474 by changing the saturation by 10% instead.





 52.6769, 32.9737,  
40.1474

 52.6769, 32.9737,  
40.1474

387.3255,  
315.5312, 362.3150


 37.7713, 22.1063,  
27.3388


 93.2971, 64.3345,  
76.6275

 25.9817, 13.9350,  
17.5932


 119.7424, 85.5966,  
101.1360

 16.9425, 8.0755,  
10.4919


 150.7651,  
111.0925, 130.3817

 10.2886, 4.1433,  
5.6165

 186.7304,  
141.2064, 164.7829

 5.6544, 1.7540,  
2.5483

228.0038,  
176.3229, 204.7584

 2.6748, 0.4583,  
0.8656

274.9505,

 0.9842, 0.0000,

216.8263, 250.7265

0.0000

327.9359,  
263.1009, 303.1059

■ 0.0000, 0.0000,  
0.0000

■ 52.6769, 32.9737,  
40.1474

■ 52.6769, 32.9737,  
40.1474

■ 49.3742, 28.3794,  
32.8461

■ 56.8918, 39.1553,  
48.4832

■ 46.9014, 25.2163,  
26.5274

■ 62.0855, 47.0506,  
57.8976

■ 45.1650, 23.3048,  
21.1351

■ 68.3216, 56.7794,  
68.4337

■ 44.1173, 22.4109,  
17.0818

■ 75.6569, 68.4487,  
80.1314

■ 84.1442, 82.1576,  
93.0282

93.8327, 97.9982,  
107.1599

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.



48.4230, 32.9737, 73.3829



52.6769, 32.9737, 40.1474



50.3557, 32.9737, 18.1524

# Triad

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



52.6769, 32.9737, 40.1474



24.2981, 32.9737, 6.7153



22.2709, 32.9737, 96.4544

# Complementary

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



52.6769, 32.9737, 40.1474



49.8771, 77.7614, 59.3990

# 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.



17.8396, 32.9737, 62.5607



52.6769, 32.9737, 40.1474



18.8380, 32.9737, 14.0197

# Square

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



52.6769, 32.9737, 40.1474



32.7895, 32.9737, 5.2720



16.7192, 32.9737, 31.9684



29.9348, 32.9737, 114.6120



# Rectangle

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



52.6769, 32.9737, 40.1474



45.5940, 32.9737, 10.4393



16.7192, 32.9737, 31.9684



20.4182, 32.9737, 85.9045

# Sweetspot

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



52.6778, 32.9754, 40.1480



78.2227, 72.5731, 84.0919



42.4730, 26.4353, 97.4717



16.2383, 14.7224, 17.2207



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.



52.6778, 32.9754, 40.1480



48.8629, 27.6994, 31.6199



48.7303, 32.6365, 15.5377



18.3382, 18.1186, 20.3980



23.1241, 11.7389, 9.3037



2.3052, 1.1644, 1.1885



# Inverse Universe

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



52.6778, 32.9754, 40.1480



48.8629, 27.6994, 31.6199



56.5187, 76.5173, 106.3982



18.3382, 18.1186, 20.3980



23.1241, 11.7389, 9.3037



2.3052, 1.1644, 1.1885



# Previews

## White Background



This preview shows how the XYZ color 52.6769, 32.9737, 40.1474 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

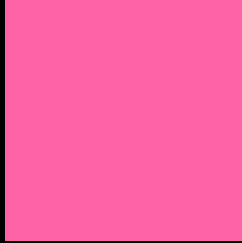
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.6769, 32.9737, 40.1474 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

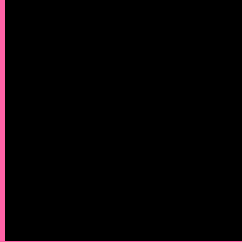
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 52.6769, 32.9737, 40.1474**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.6769, 32.9737, 40.1474.



This preview shows how white text looks on a background with the XYZ color 52.6769, 32.9737,



# 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

52.6769, 32.9737, 40.1474

### Protanopia

33.6628, 33.2626, 61.1460

### Deuteranopia

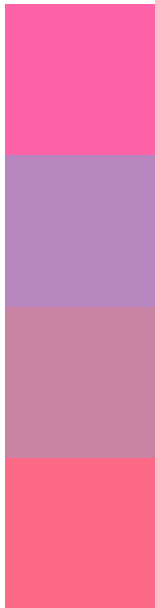
33.6868, 33.0714, 37.4088



## Tritanopia

48.5705, 32.9454, 20.6288

# Trichromacy



## Original Color

52.6769, 32.9737, 40.1474

## Protanomaly

37.5865, 30.9582, 52.7097

## Deuteranomaly

38.5923, 31.3905, 38.2074

## Tritanomaly

49.6721, 32.7528, 26.6256

# Monochromacy



## Original Color

52.6769, 32.9737, 40.1474

## Achromatopsia

30.2779, 31.8547, 34.6897

## Achromatomaly

35.7943, 30.1908, 36.2886

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.6769, 32.9737, 40.1474 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, 99, 167)` looks like.

```
.text, #text, p{  
  color:rgb(255, 99, 167)  
}
```

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, 99, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 167) }
```

## Border

The CSS property to change the border of an element to XYZ 52.6769, 32.9737, 40.1474 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, 99, 167) }
```



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

```
.border{ border-color:rgb(255, 99, 167) }
```

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

Here you see how a box with a 4 pixel rgb(255, 99, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 167);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
167) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.6769, 32.9737, 40.1474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 167) }
```

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

```
.background{ background-color: rgb(255, 99,  
167) }
```

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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