

# Converting Colors

XYZ(52.7722, 34.7341, 35.3398)

Have a look what the booklet for  
XYZ(52.7722, 34.7341, 35.3398)  
contains.

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# Color

**XYZ(52.8167, 34.8122,  
35.3882)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF6E9C
RGB	255, 110, 156
RGB Percent	100%, 43%, 61%
CMY	0.0000, 0.5686, 0.3882
CMYK	0.00, 0.57, 0.39, 0.00
HSL	341°, 100%, 72%
HSV	341°, 57%, 100%
XYZ	52.8167, 34.8122, 35.3882
YIQ	158.5990, 71.6540, 45.0460

# Conversions

## Conversions Part 2

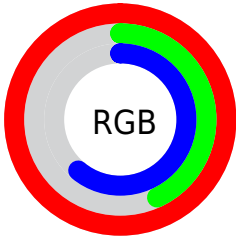
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 110, 156
Decimal	16739996
CIE <sub>Lab</sub>	65.60, 59.34, 3.18
CIE <sub>LCh</sub>	66, 59.420, 3.073
Yxy	34.8122, 0.4293, 0.2830
Android (android.graphics.Color)	4294930076 (0xFFFF6E9C)
YUV	158.5990, -1.2813, 84.5437
Hunter-Lab	59.0019, 56.5346, 5.7403

# Details

The XYZ color **52.8167, 34.8122, 35.3882** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **53.7010, 79.4393, 72.8296**, and the grayscale version is **32.7558, 34.4616, 37.5287**.

A 20% lighter version of the original color is **66.5091, 53.1856, 67.7332**, and **26.0259, 14.9452, 14.8776** is the 20% darker color. If you saturate the color by 10%, you get **49.0802, 29.5320, 27.3826**, and if you desaturate by 10%, it is **57.5578, 41.7633, 44.7720**.

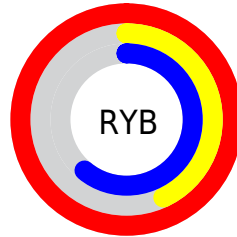
# Distribution



Red (100%)

Green (43%)

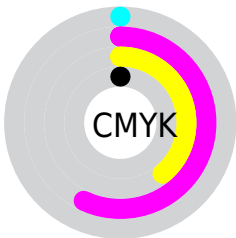
Blue (61%)



Red (100%)

Yellow (43%)

Blue (61%)

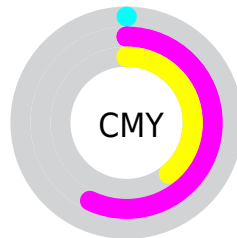


Cyan (0%)

Magenta (57%)

Yellow (39%)

Black (0%)



Cyan (0%)

Magenta (57%)


Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.8167, 34.8122, 35.3882 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 52.8167, 34.8122, 35.3882 by changing the saturation by 10% instead.





 52.8167, 34.8122,  
35.3882


 52.8167, 34.8122,  
35.3882


387.8539,  
323.7386, 341.2347


 37.8834, 23.5182,  
23.6761


 93.5017, 67.1947,  
69.2451

 26.0690, 14.9766,  
14.8836


 119.9841, 89.0521,  
92.2270

 17.0082, 8.8030,  
8.5920


 151.0468,  
115.1994, 119.8026

 10.3357, 4.6129,  
4.3829

187.0553,  
146.0210, 152.3904

 5.6861, 2.0220,  
1.8376

228.3749,  
181.9014, 190.4090

 2.6940, 0.6202,  
0.4526

275.3710,

 0.9941, 0.0000,

223.2248, 234.2768

0.0000

328.4088,  
270.3758, 284.4126

■ 0.0000, 0.0000,  
0.0000

■ 52.8167, 34.8122,  
35.3882

■ 52.8167, 34.8122,  
35.3882

■ 49.0802, 29.5320,  
27.3826

■ 57.5578, 41.7633,  
44.7720

■ 46.2665, 25.7737,  
20.6829

■ 63.3709, 50.5065,  
55.5970

■ 44.2849, 23.3709,  
15.2117

■ 70.3203, 61.1581,  
67.9243

■ 43.0210, 22.1115,  
10.8800

■ 78.4645, 73.8228,  
81.8106

■ 42.7210, 21.8524,  
9.7288

■ 87.8579, 88.5978,  
97.3096

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.



50.4041, 34.8122, 64.0786



52.8167, 34.8122, 35.3882



49.2234, 34.8122, 17.2729

# Triad

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



52.8167, 34.8122, 35.3882



24.7547, 34.8122, 10.2227



26.0600, 34.8122, 98.8707

# Complementary

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



52.8167, 34.8122, 35.3882



53.7010, 79.4393, 72.8296

# 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.



20.9311, 34.8122, 70.6164



52.8167, 34.8122, 35.3882



20.2757, 34.8122, 20.0501

# Square

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



52.8167, 34.8122, 35.3882



32.1972, 34.8122, 7.3296



19.0088, 34.8122, 40.5375



33.9950, 34.8122, 108.9295



# Rectangle

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



52.8167, 34.8122, 35.3882



44.2201, 34.8122, 11.0159



19.0088, 34.8122, 40.5375



24.0009, 34.8122, 90.7166

# Sweetspot

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



52.8176, 34.8140, 35.3888



78.3415, 73.6303, 81.6043



49.2667, 31.5915, 98.1088



16.3977, 15.1810, 16.8432



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.



52.8176, 34.8140, 35.3888



48.7142, 29.0292, 26.5538



52.6040, 39.4842, 19.6030



18.2468, 18.0820, 19.9166



22.3821, 11.4421, 5.3967



2.2264, 1.1329, 0.7736



# Inverse Universe

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



52.8176, 34.8140, 35.3888



48.7142, 29.0292, 26.5538



53.0111, 67.5949, 104.8608



18.2468, 18.0820, 19.9166



22.3821, 11.4421, 5.3967



2.2264, 1.1329, 0.7736



# Previews

## White Background



This preview shows how the XYZ color 52.8167, 34.8122, 35.3882 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 52.8167, 34.8122, 35.3882 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 52.8167, 34.8122, 35.3882**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.8167, 34.8122, 35.3882.



This preview shows how white text looks on a background with the XYZ color 52.8167, 34.8122,



# 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

52.8167, 34.8122, 35.3882

### Protanopia

34.5014, 34.9251, 50.8217

### Deuteranopia

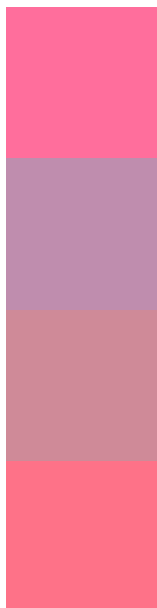
35.5708, 34.8648, 33.2886



## Tritanopia

50.3915, 34.8287, 23.1355

# Trichromacy



## Original Color

52.8167, 34.8122, 35.3882

## Protanomaly

38.6507, 33.1821, 44.4121

## Deuteranomaly

40.4881, 33.7094, 34.0784

## Tritanomaly

51.3343, 34.8830, 27.3200

# Monochromacy



## Original Color

52.8167, 34.8122, 35.3882

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

37.9446, 32.9877, 36.7151

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.8167, 34.8122, 35.3882 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, 110, 156)` looks like.

```
.text, #text, p{  
    color:rgb(255, 110, 156)  
}
```

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, 110, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 110, 156) }
```

## Border

The CSS property to change the border of an element to XYZ 52.8167, 34.8122, 35.3882 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, 110, 156) }
```



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

```
.border{ border-color:rgb(255, 110, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 110, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 110, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 110, 156);  
box-shadow:4px 4px 4px 4px rgb(255, 110,  
156) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.8167, 34.8122, 35.3882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 110, 156) }
```

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

```
.background{ background-color: rgb(255,  
110, 156) }
```

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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