

# Converting Colors

XYZ(35.2951, 35.5881, 40.7045)

Have a look what the booklet for  
XYZ(35.2951, 35.5881, 40.7045)  
contains.

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# Color

**XYZ(35.1668, 35.4952,  
40.5951)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A89EA5
RGB	168, 158, 165
RGB Percent	66%, 62%, 65%
CMY	0.3412, 0.3804, 0.3529
CMYK	0.00, 0.06, 0.02, 0.34
HSL	318°, 5%, 64%
HSV	318°, 6%, 66%
XYZ	35.1668, 35.4952, 40.5951
YIQ	161.7880, 3.7130, 4.2970

# Conversions

## Conversions Part 2

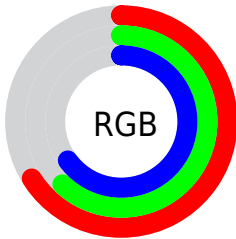
<b>Format</b>	<b>Color</b>
<b>RYB</b>	168, 158, 165
Decimal	11050661
CIELab	66.13, 4.93, -2.34
CIELCh	66, 5.458, 334.627
Yxy	35.4952, 0.3161, 0.3190
Android (android.graphics.Color)	4289240741 (0xFFA89EA5)
YUV	161.7880, 1.5835, 5.4479
Hunter-Lab	59.5778, 1.1013, 1.3055

# Details

The XYZ color **35.1668, 35.4952, 40.5951** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.5375, 37.8484, 39.2051**, and the grayscale version is **34.2359, 36.0189, 39.2246**.

A 20% lighter version of the original color is **67.1439, 68.4438, 77.3823**, and **15.4408, 15.4206, 17.7854** is the 20% darker color. If you saturate the color by 10%, you get **32.0453, 29.9716, 37.3355**, and if you desaturate by 10%, it is **38.7002, 41.8126, 44.0821**.

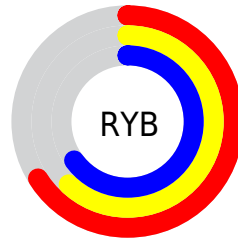
# Distribution



Red (66%)

Green (62%)

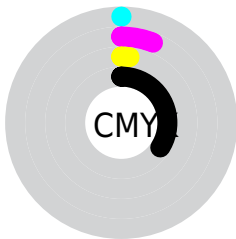
Blue (65%)



Red (66%)

Yellow (62%)

Blue (65%)

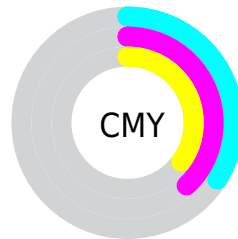


Cyan (0%)

Magenta (6%)

Yellow (2%)

Black (34%)



Cyan (34%)

Magenta (38%)

Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.1668, 35.4952, 40.5951 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 35.1668, 35.4952, 40.5951 by changing the saturation by 10% instead.



■ 35.1668, 35.4952,  
40.5951

■ 35.1668, 35.4952,  
40.5951

316.7991,  
326.7487, 364.2519

■ 23.9585, 24.0446,  
27.6855

■ 67.0764, 68.2522,  
77.3158

■ 15.4274, 15.3667,  
17.8518

■ 88.5084, 90.3274,  
101.9641

■ 9.2082, 9.0771,  
10.6753

114.0791,  
116.7129, 131.3623

■ 4.9354, 4.7915,  
5.7375

144.1537,  
147.7931, 165.9290

■ 2.2438, 2.1255,  
2.6199

179.0977,  
183.9523, 206.0828

■ 0.7657, 0.6789,  
0.9027

219.2763,

■ 0.0000, 0.0000,

225.5751, 252.2422

0.0000

265.0550,  
273.0458, 304.8257

■ 35.1668, 35.4952,  
40.5951

■ 35.1668, 35.4952,  
40.5951

■ 32.0453, 29.9716,  
37.3355

■ 38.7002, 41.8126,  
44.0821

■ 29.3166, 25.2056,  
34.2947

■ 42.6575, 48.9491,  
47.8001

■ 26.9647, 21.1648,  
31.4667

■ 47.0541, 56.9345,  
51.7559

■ 24.9712, 17.8129,  
28.8443

■ 51.9036, 65.7958,  
55.9547

■ 23.3162, 15.1104,  
26.4198

■ 57.2189, 75.5586,  
60.4020

■ 21.9778, 13.0137,  
24.1849

■ 61.7869, 83.7962,  
64.6943

■ 20.9311, 11.4739,  
22.1300

■ 62.3677, 84.0285,  
67.7525

■ 20.1479, 10.4343,  
20.2447

■ 62.9679, 84.2686,  
70.9130

■ 19.5903, 9.8197,  
18.5152

■ 63.5877, 84.5165,  
74.1769

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.6316, 35.4952, 42.4436



35.1668, 35.4952, 40.5951



35.3165, 35.4952, 38.2889

# Triad

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



35.1668, 35.4952, 40.5951



33.6114, 35.4952, 34.3627



32.4693, 35.4952, 41.2437

# Complementary

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



35.1668, 35.4952, 40.5951



34.5375, 37.8484, 39.2051

# 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.



32.2055, 35.4952, 39.0099



35.1668, 35.4952, 40.5951



32.8582, 35.4952, 35.0862

# Square

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



35.1668, 35.4952, 40.5951



34.4102, 35.4952, 34.7493



32.3467, 35.4952, 36.7646



33.0728, 35.4952, 42.8285



# Rectangle

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



35.1668, 35.4952, 40.5951



35.1756, 35.4952, 36.8157



32.3467, 35.4952, 36.7646



32.3384, 35.4952, 40.5406

# Sweetspot

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



35.1678, 35.4967, 40.5959



66.2351, 68.7248, 76.0929



33.9941, 34.8598, 41.9830



14.4523, 15.0075, 16.6007



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.1678, 35.4967, 40.5959



63.1109, 63.1587, 72.9484



34.7217, 35.3183, 38.2464



7.8808, 7.8694, 9.1122



14.6691, 7.2763, 13.6008



0.3779, 0.1854, 0.4413



# Inverse Universe

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



35.1678, 35.4967, 40.5959



63.1109, 63.1587, 72.9484



34.9872, 38.0283, 41.5732



7.8808, 7.8694, 9.1122



14.6691, 7.2763, 13.6008

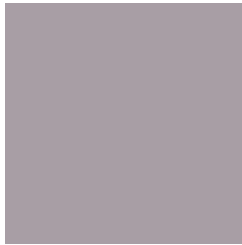


0.3779, 0.1854, 0.4413



# Previews

## White Background



This preview shows how the XYZ color 35.1668, 35.4952, 40.5951 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

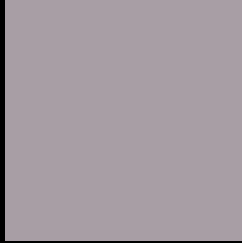
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.1668, 35.4952, 40.5951 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 35.1668, 35.4952, 40.5951**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.1668, 35.4952, 40.5951.



This preview shows how white text looks on a background with the XYZ color 35.1668, 35.4952,



# 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

35.1668, 35.4952, 40.5951

### Protanopia

34.3540, 35.5762, 41.1326

### Deuteranopia

36.1356, 35.4922, 40.5434



## Tritanopia

35.6749, 35.4512, 42.9927

# Trichromacy



## Original Color

35.1668, 35.4952, 40.5951

## Protanomaly

34.5909, 35.4420, 41.0942

## Deuteranomaly

35.8618, 35.6012, 40.5789

## Tritanomaly

35.4870, 35.3761, 42.0037

# Monochromacy



## Original Color

35.1668, 35.4952, 40.5951

## Achromatopsia

34.3422, 36.1307, 39.3463

## Achromatomaly

34.6656, 36.0266, 39.7771

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.1668, 35.4952, 40.5951 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(168, 158, 165)` looks like.

```
.text, #text, p{  
    color:rgb(168, 158, 165)  
}
```

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(168, 158, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 158, 165) }
```

## Border

The CSS property to change the border of an element to XYZ 35.1668, 35.4952, 40.5951 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(168, 158, 165) }
```



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

```
.border{ border-color:rgb(168, 158, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 158, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 158, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 158, 165);  
box-shadow:4px 4px 4px 4px rgb(168, 158,  
165) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.1668, 35.4952, 40.5951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 158, 165) }
```

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

```
.background{ background-color: rgb(168,  
158, 165) }
```

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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