

# Converting Colors

XYZ(35.0582, 38.8604, 43.2410)

Have a look what the booklet for  
XYZ(35.0582, 38.8604, 43.2410)  
contains.

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# Color

**XYZ(35.0508, 38.8604,  
43.1896)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9AABA9
RGB	154, 171, 169
RGB Percent	60%, 67%, 66%
CMY	0.3961, 0.3294, 0.3372
CMYK	0.10, 0.00, 0.01, 0.33
HSL	173°, 9%, 64%
HSV	173°, 10%, 67%
XYZ	35.0508, 38.8604, 43.1896
YIQ	165.6890, -9.4900, -4.2260

# Conversions

## Conversions Part 2

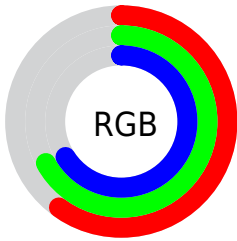
Format	Color
<b>RYB</b>	154, 163, 171
Decimal	10136489
CIELab	68.65, -6.32, -1.00
CIElCh	69, 6.394, 189.013
Yxy	38.8604, 0.2993, 0.3319
Android (android.graphics.Color)	4288326569 (0xFF9AABA9)
YUV	165.6890, 1.6323, -10.2513
Hunter-Lab	62.3381, -8.7266, 2.5589

# Details

The XYZ color **35.0508, 38.8604, 43.1896** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.3524, 34.1705, 36.2393**, and the grayscale version is **36.0920, 37.9716, 41.3510**.

A 20% lighter version of the original color is **66.6633, 73.1844, 81.1335**, and **15.4012, 17.3616, 19.3690** is the 20% darker color. If you saturate the color by 10%, you get **31.8378, 37.2268, 42.0606**, and if you desaturate by 10%, it is **38.7326, 40.7375, 44.3574**.

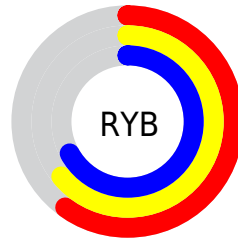
# Distribution



Red (60%)

Green (67%)

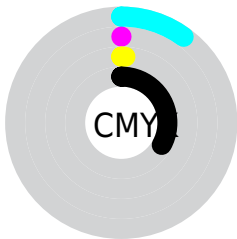
Blue (66%)



Red (60%)

Yellow (64%)

Blue (67%)

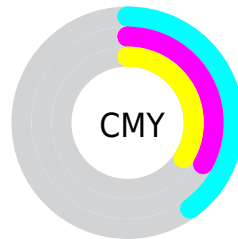


Cyan (10%)

Magenta (0%)

Yellow (1%)

Black (33%)



Cyan (40%)

Magenta (33%)

Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0508, 38.8604, 43.1896 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 35.0508, 38.8604, 43.1896 by changing the saturation by 10% instead.



■ 35.0508, 38.8604,  
43.1896

■ 35.0508, 38.8604,  
43.1896

316.2966,  
341.2966, 375.3350

■ 23.8687, 26.6511,  
29.7014

■ 66.8980, 73.4250,  
81.2863

■ 15.3605, 17.3114,  
19.3619

■ 88.2937, 96.5492,  
106.7319

■ 9.1607, 10.4568,  
11.7526

113.8248,  
124.0804, 137.0004

■ 4.9041, 5.7028,  
6.4550

143.8565,  
156.4031, 172.5103

■ 2.2253, 2.6652,  
3.0504

178.7541,  
193.9017, 213.6802

■ 0.7560, 0.9596,  
1.1204

218.8831,

■ 0.0000, 0.0000,

236.9605, 260.9286

0.0000

264.6088,  
285.9640, 314.6740

■ 35.0508, 38.8604,  
43.1896

■ 35.0508, 38.8604,  
43.1896

■ 31.8378, 37.2268,  
42.0606

■ 38.7326, 40.7375,  
44.3574

■ 29.0709, 35.8217,  
40.9667

■ 42.8982, 42.8626,  
45.5623

■ 26.7301, 34.6360,  
39.9079

■ 47.5662, 45.2463,  
46.8061

■ 24.7929, 33.6580,  
38.8829

■ 52.7530, 47.8972,  
48.0896

■ 23.2346, 32.8750,  
37.8907

■ 58.4743, 50.8233,  
49.4135

■ 22.0278, 32.2730,  
36.9297

■ 64.1528, 53.7269,  
50.7510

■ 21.1415, 31.8357,  
35.9985

■ 64.3612, 53.8103,  
51.8481

■ 20.5390, 31.5445,  
35.0954

■ 64.5725, 53.8948,  
52.9609

■ 20.1407, 31.3582,  
34.2164

■ 64.7869, 53.9805,  
54.0897

# Harmonies

## Analogous

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



35.1521, 38.8604, 40.3517



35.0508, 38.8604, 43.1896



35.4473, 38.8604, 45.9106

# Triad

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



35.0508, 38.8604, 43.1896



38.1716, 38.8604, 46.7822



37.6355, 38.8604, 37.3295

# Complementary

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



35.0508, 38.8604, 43.1896



34.3524, 34.1705, 36.2393

# 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.



38.4651, 38.8604, 38.9072



35.0508, 38.8604, 43.1896



38.7785, 38.8604, 44.3356

# Square

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



35.0508, 38.8604, 43.1896



37.2407, 38.8604, 48.0460



38.8869, 38.8604, 41.4471



36.6323, 38.8604, 37.0540



# Rectangle

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



35.0508, 38.8604, 43.1896



35.9449, 38.8604, 47.2612



38.8869, 38.8604, 41.4471



37.9444, 38.8604, 37.7216

# Sweetspot

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



35.0519, 38.8620, 43.1905



67.2229, 71.8634, 78.7808



34.1588, 38.5551, 36.2141



14.8720, 15.9652, 17.5312



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123



# Same Dimension

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



35.0519, 38.8620, 43.1905



61.3947, 68.8949, 76.8832



34.0914, 36.6378, 43.8049



8.1951, 9.0556, 10.0524



15.1934, 23.6426, 25.8557



0.4339, 0.6622, 0.7784



# Inverse Universe

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



34.3524, 34.1705, 36.2393



59.8795, 58.7324, 61.8266



35.2400, 36.2149, 35.7054



8.0422, 8.0301, 8.5330



12.7675, 6.5696, 1.1554



0.3670, 0.1875, 0.0945



# Previews

## White Background



This preview shows how the XYZ color 35.0508, 38.8604, 43.1896 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

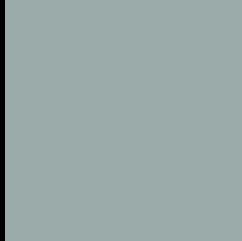
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.0508, 38.8604, 43.1896 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

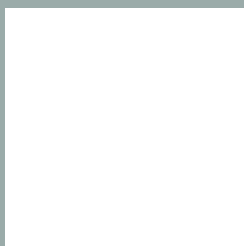
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 35.0508, 38.8604, 43.1896**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.0508, 38.8604, 43.1896.



This preview shows how white text looks on a background with the XYZ color 35.0508, 38.8604,



# 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

35.0508, 38.8604, 43.1896

### Protanopia

37.0967, 38.5717, 41.5663

### Deuteranopia

39.5624, 38.7260, 43.9178



## Tritanopia

36.3418, 38.8213, 49.8338

# Trichromacy



## Original Color

35.0508, 38.8604, 43.1896

## Protanomaly

36.2875, 38.6878, 42.1142

## Deuteranomaly

37.7241, 38.5832, 43.4892

## Tritanomaly

35.8281, 38.8923, 47.2136

# Monochromacy



## Original Color

35.0508, 38.8604, 43.1896

## Achromatopsia

36.2450, 38.1326, 41.5264

## Achromatomaly

35.8780, 38.4767, 42.0950

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.0508, 38.8604, 43.1896 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(154, 171, 169)` looks like.

```
.text, #text, p{  
    color:rgb(154, 171, 169)  
}
```

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(154, 171, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 171, 169) }
```

## Border

The CSS property to change the border of an element to XYZ 35.0508, 38.8604, 43.1896 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(154, 171, 169) }
```



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

```
.border{ border-color:rgb(154, 171, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 171, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 171, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 171, 169);  
box-shadow:4px 4px 4px 4px rgb(154, 171,  
169) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.0508, 38.8604, 43.1896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 171, 169) }
```

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

```
.background{ background-color: rgb(154,  
171, 169) }
```

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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