

Converting Colors

XYZ(38.4298, 40.5150, 46.4621)

Have a look what the booklet for
XYZ(38.4298, 40.5150, 46.4621)
contains.

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Color

**XYZ(38.4492, 40.5458,
46.3571)**

Conversions

Conversions Part 1

Format	Color
Hex	A8ABAF
RGB	168, 171, 175
RGB Percent	66%, 67%, 69%
CMY	0.3412, 0.3294, 0.3137
CMYK	0.04, 0.02, 0.00, 0.31
HSL	214°, 4%, 67%
HSV	214°, 4%, 69%
XYZ	38.4492, 40.5458, 46.3571
YIQ	170.5590, -3.0720, 0.6080

Conversions

Conversions Part 2

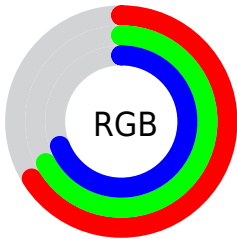
Format	Color
RYB	168, 170, 175
Decimal	11053999
CIELab	69.86, -0.28, -2.43
CIELCh	70, 2.446, 263.354
Yxy	40.5458, 0.3067, 0.3235
Android (android.graphics.Color)	4289244079 (0xFFA8ABAF)
YUV	170.5590, 2.1894, -2.2442
Hunter-Lab	63.6756, -3.6487, 1.4086

Details

The XYZ color **38.4492, 40.5458, 46.3571** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.4997, 41.4457, 42.9643**, and the grayscale version is **38.4791, 40.4830, 44.0860**.

A 20% lighter version of the original color is **71.9107, 75.7939, 85.7025**, and **17.3744, 18.3367, 21.3625** is the 20% darker color. If you saturate the color by 10%, you get **33.1549, 35.1206, 45.5896**, and if you desaturate by 10%, it is **44.3899, 46.5184, 47.1974**.

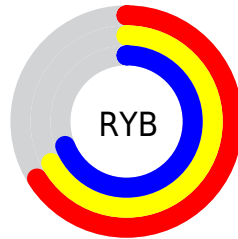
Distribution



Red (66%)

Green (67%)

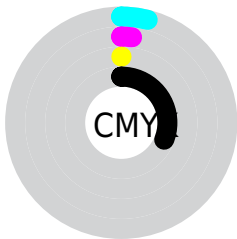
Blue (69%)



Red (66%)

Yellow (67%)

Blue (69%)

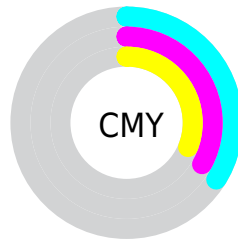


Cyan (4%)

Magenta (2%)

Yellow (0%)

Black (31%)



Cyan (34%)

Magenta (33%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4492, 40.5458, 46.3571 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 38.4492, 40.5458, 46.3571 by changing the saturation by 10% instead.

■ 38.4492, 40.5458,
46.3571

■ 38.4492, 40.5458,
46.3571

330.7906,
348.4187, 388.5617

■ 26.5103, 27.9644,
32.1770

■ 72.0956, 75.9939,
86.0931

■ 17.3405, 18.2988,
21.2308

■ 94.5338, 99.6294,
112.4861

■ 10.5743, 11.1647,
13.0999

121.2025,
127.7183, 143.7871

■ 5.8466, 6.1777,
7.3659

152.4670,
160.6451, 180.4147

■ 2.7918, 2.9535,
3.6100

188.6928,
198.7941, 222.7874

■ 1.0446, 1.1075,
1.4140

230.2450,

■ 0.0000, 0.0000,

242.5498, 271.3238

0.1526

277.4892,
292.2965, 326.4423

■ 0.0000, 0.0000,
0.0000

■ 38.4492, 40.5458,
46.3571

■ 38.4492, 40.5458,
46.3571

■ 33.1549, 35.1206,
45.5896

■ 44.3899, 46.5184,
47.1974

■ 28.4806, 30.2211,
44.8902

■ 50.9955, 53.0489,
48.1098

■ 24.4030, 25.8315,
44.2579

■ 58.2877, 60.1542,
49.0969

■ 20.8958, 21.9335,
43.6903

■ 66.2865, 67.8487,
50.1605

■ 17.9310, 18.5072,
43.1853

■ 74.8259, 76.0510,
51.2936

■ 15.4776, 15.5313,
42.7402

■ 77.5428, 81.4848,
52.1993

■ 13.5014, 12.9826,
42.3524

■ 80.4194, 87.2379,
53.1581

■ 11.9633, 10.8350,
42.0189

■ 83.4582, 93.3156,
54.1711

■ 10.8171, 9.0582,
41.7364

■ 84.7380, 95.8752,
54.5977

Harmonies

Analogous

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



38.0833, 40.5458, 45.9267



38.4492, 40.5458, 46.3571



38.8413, 40.5458, 46.1873

Triad

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



38.4492, 40.5458, 46.3571



39.2434, 40.5458, 43.2856



37.9277, 40.5458, 42.8541

Complementary

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



38.4492, 40.5458, 46.3571



39.4997, 41.4457, 42.9643

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.



38.2354, 40.5458, 42.1687



38.4492, 40.5458, 46.3571



38.9955, 40.5458, 42.4148

Square

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



38.4492, 40.5458, 46.3571



39.3016, 40.5458, 44.4012



38.6261, 40.5458, 42.0092



37.7835, 40.5458, 43.8947

Rectangle

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



38.4492, 40.5458, 46.3571



39.0645, 40.5458, 45.7579



38.6261, 40.5458, 42.0092



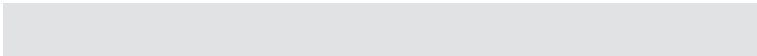
38.0154, 40.5458, 42.5753

Sweetspot

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



38.4504, 40.5475, 46.3580



71.9124, 75.7043, 83.4591



38.9222, 41.9627, 45.0617



15.9960, 16.8389, 18.5515



84.5950, 89.0005, 96.9216



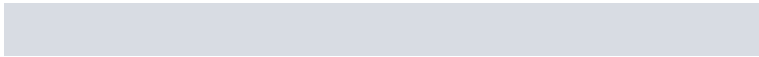
16.2198, 17.0645, 18.5832

Same Dimension

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



38.4504, 40.5475, 46.3580



67.7767, 71.5155, 82.8685



37.9891, 39.4771, 46.1757



8.2936, 8.7534, 10.2051



7.4054, 5.9448, 29.8017



0.2610, 0.2754, 0.8474

Inverse Universe

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



39.0334, 40.0602, 44.2053



69.0976, 70.4233, 77.9885



39.9731, 42.5478, 43.1521



8.4718, 8.6068, 9.5469



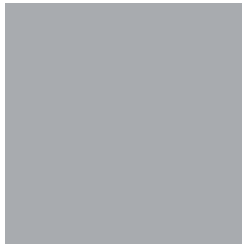
13.6016, 6.9032, 5.5473



0.4061, 0.2031, 0.3005

Previews

White Background



This preview shows how the XYZ color 38.4492, 40.5458, 46.3571 looks on a white background.

Color Contrast Check

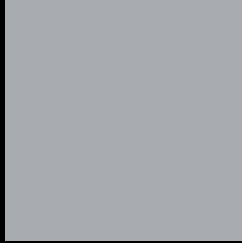
Large Text (above 18pt) WCAG AA × Fail

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 38.4492, 40.5458, 46.3571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

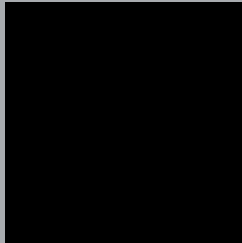
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.4492, 40.5458, 46.3571

Background



This preview shows how black text looks on a background with the XYZ color 38.4492, 40.5458, 46.3571.



This preview shows how white text looks on a background with the XYZ color 38.4492, 40.5458,

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

38.4492, 40.5458, 46.3571

Protanopia

39.0280, 40.5761, 45.8194

Deuteranopia

41.2992, 40.3591, 46.6877



Tritanopia

39.2842, 40.6034, 50.5665

Trichromacy



Original Color

38.4492, 40.5458, 46.3571

Protanomaly

38.8093, 40.4634, 45.8091

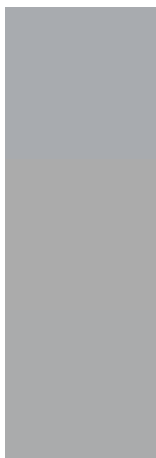
Deuteranomaly

40.2456, 40.3557, 46.7426

Tritanomaly

38.9751, 40.4798, 48.9392

Monochromacy



Original Color

38.4492, 40.5458, 46.3571

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.5869, 40.6504, 44.8423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4492, 40.5458, 46.3571 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, 171, 175)` looks like.

```
.text, #text, p{  
    color:rgb(168, 171, 175)  
}
```

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, 171, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 171, 175) }
```

Border

The CSS property to change the border of an element to XYZ 38.4492, 40.5458, 46.3571 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, 171, 175) }
```


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

```
.border{ border-color:rgb(168, 171, 175) }
```

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

Here you see how a box with a 4 pixel rgb(168, 171, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 171, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 171, 175);  
box-shadow:4px 4px 4px 4px rgb(168, 171,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4492, 40.5458, 46.3571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 171, 175) }
```

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

```
.background{ background-color: rgb(168,  
171, 175) }
```

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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