

Converting Colors

XYZ(38.3701, 38.6405, 45.7926)

Have a look what the booklet for
XYZ(38.3701, 38.6405, 45.7926)
contains.

XYZ(38.4689, 38.6447, 45.9891)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.4689, 38.6447,
45.9891)**

Conversions

Conversions Part 1

Format	Color
Hex	AEA4AF
RGB	174, 164, 175
RGB Percent	68%, 64%, 69%
CMY	0.3176, 0.3568, 0.3137
CMYK	0.01, 0.06, 0.00, 0.31
HSL	295°, 6%, 66%
HSV	295°, 6%, 69%
XYZ	38.4689, 38.6447, 45.9891
YIQ	168.2440, 2.4290, 5.5410

Conversions

Conversions Part 2

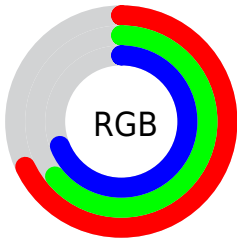
Format	Color
RYB	174, 164, 175
Decimal	11445423
CIELab	68.49, 5.66, -4.38
CIElCh	68, 7.155, 322.243
Yxy	38.6447, 0.3125, 0.3139
Android (android.graphics.Color)	4289635503 (0xFFAEA4AF)
YUV	168.2440, 3.3307, 5.0480
Hunter-Lab	62.1649, 1.6710, -0.3469

Details

The XYZ color **38.4689, 38.6447, 45.9891** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.5492, 41.3406, 41.1243**, and the grayscale version is **37.3235, 39.2673, 42.7620**.

A 20% lighter version of the original color is **71.9275, 73.0342, 85.1689**, and **17.3954, 17.1560, 21.1335** is the 20% darker color. If you saturate the color by 10%, you get **35.1982, 32.6258, 45.0003**, and if you desaturate by 10%, it is **42.1770, 45.5310, 47.1234**.

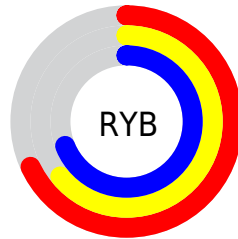
Distribution



Red (68%)

Green (64%)

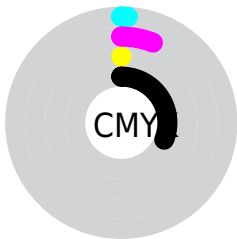
Blue (69%)



Red (68%)

Yellow (64%)

Blue (69%)

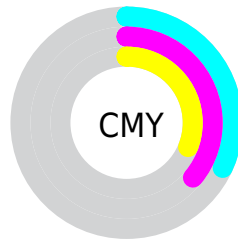


Cyan (1%)

Magenta (6%)

Yellow (0%)

Black (31%)



Cyan (32%)

Magenta (36%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4689, 38.6447, 45.9891 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 38.4689, 38.6447, 45.9891 by changing the saturation by 10% instead.

■ 38.4689, 38.6447,
45.9891

■ 38.4689, 38.6447,
45.9891

330.8734,
340.3775, 387.0411

■ 26.5257, 26.4834,
31.8886

■ 72.1255, 73.0952,
85.5368

■ 17.3521, 17.1857,
21.0123

■ 94.5697, 96.1533,
111.8211

■ 10.5827, 10.3669,
12.9417

121.2448,
123.6124, 143.0037

■ 5.8522, 5.6429,
7.2581

152.5164,
155.8569, 179.5033

■ 2.7952, 2.6292,
3.5432

188.7496,
193.2713, 221.7382

■ 1.0464, 0.9414,
1.3782

230.3100,

■ 0.0000, 0.0000,

236.2400, 270.1272

0.1247

277.5628,
285.1472, 325.0886

■ 0.0000, 0.0000,
0.0000

■ 38.4689, 38.6447,
45.9891

■ 38.4689, 38.6447,
45.9891

■ 35.1982, 32.6258,
45.0003

■ 42.1770, 45.5310,
47.1234

■ 32.3440, 27.4344,
44.1487

■ 46.3356, 53.3126,
48.4063

■ 29.8888, 23.0346,
43.4288

■ 50.9615, 62.0226,
49.8436

■ 27.8124, 19.3863,
42.8341

■ 56.0696, 71.6905,
51.4405

■ 26.0929, 16.4457,
42.3571

■ 61.6740, 82.3450,
53.2016

■ 24.7062, 14.1645,
41.9899

■ 63.1568, 84.7497,
53.5876

■ 23.6250, 12.4884,
41.7234

■ 63.5389, 84.9467,
53.6055

■ 22.8179, 11.3541,
41.5470

■ 63.9252, 85.1458,
53.6236

■ 22.2424, 10.6773,
41.4467

■ 64.3159, 85.3472,
53.6419

Harmonies

Analogous

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



37.5562, 38.6447, 48.0809



38.4689, 38.6447, 45.9891



38.9177, 38.6447, 42.9199

Triad

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



38.4689, 38.6447, 45.9891



37.0236, 38.6447, 36.2284



34.7631, 38.6447, 44.4683

Complementary

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



38.4689, 38.6447, 45.9891



37.5492, 41.3406, 41.1243

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.



34.6271, 38.6447, 41.2462



38.4689, 38.6447, 45.9891



35.9172, 38.6447, 36.5959

Square

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



38.4689, 38.6447, 45.9891



38.0722, 38.6447, 37.3636



35.0455, 38.6447, 38.3943



35.4210, 38.6447, 47.1721

Rectangle

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



38.4689, 38.6447, 45.9891



38.8871, 38.6447, 40.7764



35.0455, 38.6447, 38.3943



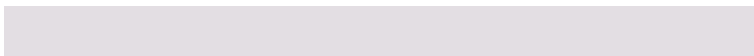
34.6554, 38.6447, 43.4060

Sweetspot

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



38.4700, 38.6464, 45.9899



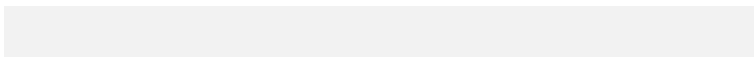
71.6216, 74.2602, 83.1957



36.5225, 37.9358, 45.9554



15.9347, 16.5349, 18.4960



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.



38.4700, 38.6464, 45.9899



67.7530, 67.0989, 82.0173



38.2684, 38.5916, 43.7616



8.2642, 8.1105, 10.0826



15.8206, 7.5157, 29.6613



0.4605, 0.2196, 0.8261

Inverse Universe

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



37.7475, 38.3832, 41.0183



66.1011, 66.4980, 70.6151



37.7463, 41.3955, 43.2436



8.0337, 8.0267, 8.4884



12.7377, 6.5576, 0.9985



0.3636, 0.1861, 0.0767

Previews

White Background



This preview shows how the XYZ color 38.4689, 38.6447, 45.9891 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 38.4689, 38.6447, 45.9891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

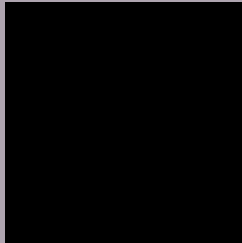
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.4689, 38.6447, 45.9891

Background



This preview shows how black text looks on a background with the XYZ color 38.4689, 38.6447, 45.9891.



This preview shows how white text looks on a background with the XYZ color 38.4689, 38.6447,

45.9891.

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

38.4689, 38.6447, 45.9891

Protanopia

37.4090, 38.6225, 46.5575

Deuteranopia

39.2486, 38.5195, 45.9238



Tritanopia

38.6668, 38.7239, 47.0315

Trichromacy



Original Color

38.4689, 38.6447, 45.9891

Protanomaly

37.8692, 38.5909, 46.5272

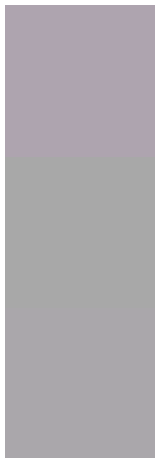
Deuteranomaly

38.9665, 38.6366, 45.9613

Tritanomaly

38.5675, 38.6842, 46.5084

Monochromacy



Original Color

38.4689, 38.6447, 45.9891

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.7470, 39.1238, 44.0902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4689, 38.6447, 45.9891 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(174, 164, 175) looks like.

```
.text, #text, p{  
    color:rgb(174, 164, 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(174, 164, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 164, 175) }
```

Border

The CSS property to change the border of an element to XYZ 38.4689, 38.6447, 45.9891 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(174, 164, 175) }
```


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

```
.border{ border-color:rgb(174, 164, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 164, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 164, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 164, 175);  
box-shadow:4px 4px 4px 4px rgb(174, 164,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4689, 38.6447, 45.9891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 164, 175) }
```

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

```
.background{ background-color: rgb(174,  
164, 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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