

Converting Colors

XYZ(38.8430, 42.2559, 47.0988)

Have a look what the booklet for
XYZ(38.8430, 42.2559, 47.0988)
contains.

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Color

**XYZ(38.8789, 42.1846,
47.1676)**

Conversions

Conversions Part 1

Format	Color
Hex	A5B0B0
RGB	165, 176, 176
RGB Percent	65%, 69%, 69%
CMY	0.3529, 0.3098, 0.3098
CMYK	0.06, 0.00, 0.00, 0.31
HSL	180°, 7%, 67%
HSV	180°, 6%, 69%
XYZ	38.8789, 42.1846, 47.1676
YIQ	172.7110, -6.5560, -2.3320

Conversions

Conversions Part 2

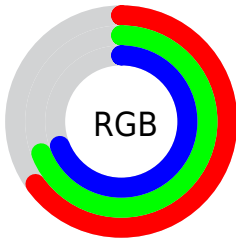
Format	Color
RYB	165, 171, 176
Decimal	10858672
CIELab	71.00, -3.83, -1.33
CIELCh	71, 4.056, 199.190
Yxy	42.1846, 0.3032, 0.3290
Android (android.graphics.Color)	4289048752 (0xFFA5B0B0)
YUV	172.7110, 1.6215, -6.7625
Hunter-Lab	64.9497, -6.8118, 2.4073

Details

The XYZ color **38.8789, 42.1846, 47.1676** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.1528, 38.8582, 41.0889**, and the grayscale version is **39.5688, 41.6294, 45.3344**.

A 20% lighter version of the original color is **72.9373, 78.7551, 87.7010**, and **17.6558, 19.3812, 21.8792** is the 20% darker color. If you saturate the color by 10%, you get **35.4670, 40.4269, 47.0065**, and if you desaturate by 10%, it is **42.7971, 44.2056, 47.3541**.

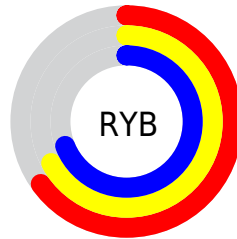
Distribution



Red (65%)

Green (69%)

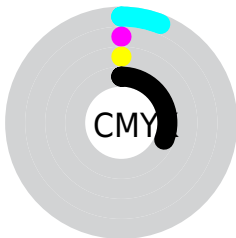
Blue (69%)



Red (65%)

Yellow (67%)

Blue (69%)

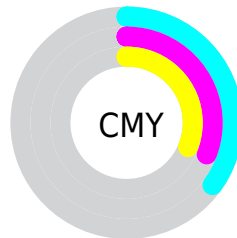


Cyan (6%)

Magenta (0%)

Yellow (0%)

Black (31%)



Cyan (35%)

Magenta (31%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8789, 42.1846, 47.1676 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 38.8789, 42.1846, 47.1676 by changing the saturation by 10% instead.

■ 38.8789, 42.1846,
47.1676

■ 38.8789, 42.1846,
47.1676

332.5914,
355.2476, 391.8962

■ 26.8458, 29.2459,
32.8129

■ 72.7485, 78.4789,
87.3163

■ 17.5935, 19.2669,
21.7132

■ 95.3158, 102.6033,
113.9474

■ 10.7564, 11.8633,
13.4500

122.1252,
131.2250, 145.5077

■ 5.9694, 6.6507,
7.6048

153.5421,
164.7285, 182.4158

■ 2.8669, 3.2446,
3.7590

189.9318,
203.4981, 225.0901

■ 1.0838, 1.2607,
1.4941

231.6597,

■ 0.0115, 0.1105,

247.9182, 273.9493

0.2135

279.0911,
298.3733, 329.4118

■ 0.0000, 0.0000,
0.0000

■ 38.8789, 42.1846,
47.1676

■ 38.8789, 42.1846,
47.1676

■ 35.4670, 40.4269,
47.0065

■ 42.7971, 44.2056,
47.3541

■ 32.5372, 38.9166,
46.8671

■ 47.2371, 46.4945,
47.5642

■ 30.0690, 37.6443,
46.7493

■ 52.2185, 49.0624,
47.7996

■ 28.0388, 36.5977,
46.6521

■ 57.7587, 51.9185,
48.0612

■ 26.4211, 35.7638,
46.5741

■ 63.8742, 55.0711,
48.3496

■ 25.1875, 35.1279,
46.5141

■ 64.6053, 55.4479,
48.3861

■ 24.3063, 34.6737,
46.4705

■ 64.6058, 55.4481,
48.3884

■ 23.7406, 34.3821,
46.4418

■ 64.6062, 55.4483,
48.3907

■ 23.4414, 34.2279,
46.4255

■ 64.6066, 55.4485,
48.3930

Harmonies

Analogous

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



38.8307, 42.1846, 45.2365



38.8789, 42.1846, 47.1676



39.2509, 42.1846, 48.8103

Triad

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



38.8789, 42.1846, 47.1676



41.0881, 42.1846, 48.4105



40.3397, 42.1846, 42.3681

Complementary

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



38.8789, 42.1846, 47.1676



38.1528, 38.8582, 41.0889

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.



40.9516, 42.1846, 43.1689



38.8789, 42.1846, 47.1676



41.3868, 42.1846, 46.6343

Square

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



38.8789, 42.1846, 47.1676



40.5244, 42.1846, 49.5417



41.3366, 42.1846, 44.7179



39.6690, 42.1846, 42.5018

Rectangle

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



38.8789, 42.1846, 47.1676



39.6347, 42.1846, 49.5038



41.3366, 42.1846, 44.7179



40.5592, 42.1846, 42.5360

Sweetspot

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



38.8801, 42.1864, 47.1685



73.3938, 77.9939, 85.6805



37.8734, 41.7881, 41.6679



15.9225, 16.9112, 18.5691



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.



38.8801, 42.1864, 47.1685



69.2741, 75.8702, 85.4852



37.8580, 40.1417, 46.8292



8.7426, 9.6315, 10.9041



17.1378, 25.0811, 34.0583



0.5393, 0.7892, 1.0718

Inverse Universe

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



38.1528, 38.8582, 41.0889



67.5780, 68.1089, 71.3077



39.1318, 40.8166, 41.4140



8.4965, 8.5053, 8.8468



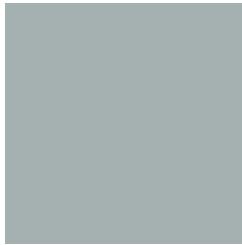
13.1371, 6.7724, 0.6159



0.4134, 0.2131, 0.0195

Previews

White Background



This preview shows how the XYZ color 38.8789, 42.1846, 47.1676 looks on a white background.

Color Contrast Check

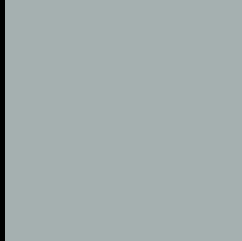
Large Text (above 18pt) WCAG AA × Fail

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 38.8789, 42.1846, 47.1676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

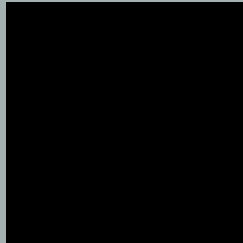
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

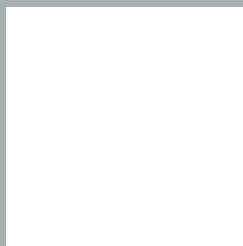
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.8789, 42.1846, 47.1676

Background



This preview shows how black text looks on a background with the XYZ color 38.8789, 42.1846, 47.1676.



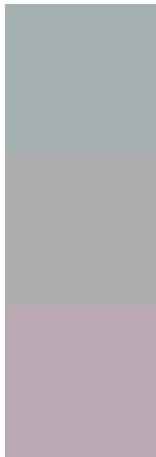
This preview shows how white text looks on a background with the XYZ color 38.8789, 42.1846,

47.1676.

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

38.8789, 42.1846, 47.1676

Protanopia

40.4880, 42.1732, 46.0507

Deuteranopia

42.7776, 41.9110, 47.9545



Tritanopia

40.1495, 42.1184, 53.5905

Trichromacy



Original Color

38.8789, 42.1846, 47.1676

Protanomaly

39.8872, 42.1379, 46.5886

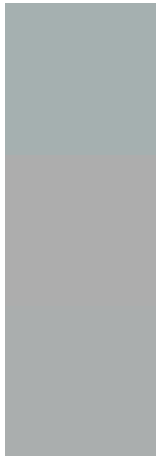
Deuteranomaly

41.3211, 42.0034, 47.5246

Tritanomaly

39.7076, 42.2276, 51.4053

Monochromacy



Original Color

38.8789, 42.1846, 47.1676

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.3536, 41.8741, 46.0528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8789, 42.1846, 47.1676 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(165, 176, 176) looks like.

```
.text, #text, p{  
    color:rgb(165, 176, 176)  
}
```

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(165, 176, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 176, 176) }
```

Border

The CSS property to change the border of an element to XYZ 38.8789, 42.1846, 47.1676 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(165, 176, 176) }
```


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

```
.border{ border-color:rgb(165, 176, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 176, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 176, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 176, 176);  
box-shadow:4px 4px 4px 4px rgb(165, 176,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8789, 42.1846, 47.1676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 176, 176) }
```

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

```
.background{ background-color: rgb(165,  
176, 176) }
```

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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