

Converting Colors

XYZ(38.8098, 42.3082, 49.2995)

Have a look what the booklet for
XYZ(38.8098, 42.3082, 49.2995)
contains.

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Color

**XYZ(38.8607, 42.4210,
49.3199)**

Conversions

Conversions Part 1

Format	Color
Hex	A2B1B4
RGB	162, 177, 180
RGB Percent	64%, 69%, 71%
CMY	0.3647, 0.3059, 0.2941
CMYK	0.10, 0.02, 0.00, 0.29
HSL	190°, 11%, 67%
HSV	190°, 10%, 71%
XYZ	38.8607, 42.4210, 49.3199
YIQ	172.8570, -9.9030, -2.2470

Conversions

Conversions Part 2

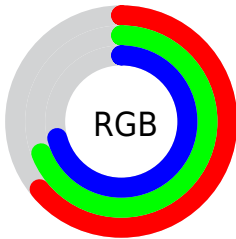
Format	Color
RYB	162, 170, 180
Decimal	10662324
CIELab	71.16, -4.59, -3.32
CIElCh	71, 5.664, 215.901
Yxy	42.4210, 0.2976, 0.3248
Android (android.graphics.Color)	4288852404 (0xFFA2B1B4)
YUV	172.8570, 3.5215, -9.5216
Hunter-Lab	65.1314, -7.4778, 0.6954

Details

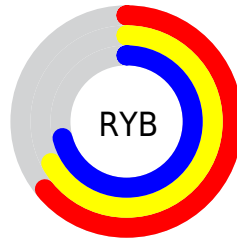
The XYZ color **38.8607, 42.4210, 49.3199** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.7993, 39.2220, 39.7089**, and the grayscale version is **39.6349, 41.6990, 45.4102**.

A 20% lighter version of the original color is **72.8945, 79.0857, 90.7800**, and **17.4688, 19.2626, 22.8760** is the 20% darker color. If you saturate the color by 10%, you get **34.8776, 39.4995, 48.9666**, and if you desaturate by 10%, it is **43.3827, 45.6419, 49.7039**.

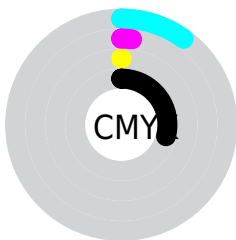
Distribution



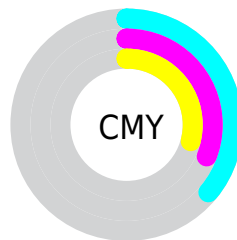
- Red (64%)
- Green (69%)
- Blue (71%)



- Red (64%)
- Yellow (67%)
- Blue (71%)



- Cyan (10%)
- Magenta (2%)
- Yellow (0%)
- Black (29%)



- Cyan (36%)
- Magenta (31%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8607, 42.4210, 49.3199 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 38.8607, 42.4210, 49.3199 by changing the saturation by 10% instead.

■ 38.8607, 42.4210,
49.3199

■ 38.8607, 42.4210,
49.3199

332.5153,
356.2252, 400.6590

■ 26.8316, 29.4311,
34.5059

■ 72.7209, 78.8364,
90.5523

■ 17.5827, 19.4072,
23.0020

■ 95.2827, 103.0307,
117.8078

■ 10.7487, 11.9649,
14.3897

122.0862,
131.7285, 150.0475

■ 5.9642, 6.7198,
8.2504

153.4966,
165.3143, 187.6901

■ 2.8638, 3.2875,
4.1655

189.8794,
204.1725, 231.1539

■ 1.0821, 1.2836,
1.7166

231.5998,

■ 0.0101, 0.1284,

248.6875, 280.8577

0.3721

279.0233,
299.2435, 337.2198

■ 0.0000, 0.0000,
0.0000

■ 38.8607, 42.4210,
49.3199

■ 38.8607, 42.4210,
49.3199

■ 34.8776, 39.4995,
48.9666

■ 43.3827, 45.6419,
49.7039

■ 31.4075, 36.8605,
48.6401

■ 48.4608, 49.1678,
50.1168

■ 28.4277, 34.4933,
48.3402

■ 54.1159, 53.0107,
50.5605

■ 25.9127, 32.3847,
48.0658

■ 60.3669, 57.1804,
51.0359

■ 23.8344, 30.5200,
47.8154

■ 67.2316, 61.6863,
51.5438

■ 22.1614, 28.8829,
47.5876

■ 68.9907, 63.5800,
51.8166

■ 20.8583, 27.4551,
47.3807

■ 69.6690, 64.9366,
52.0427

■ 19.8833, 26.2149,
47.1927

■ 70.3608, 66.3203,
52.2734

■ 19.1493, 25.1172,
47.0195

■ 71.0663, 67.7313,
52.5085

Harmonies

Analogous

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



38.5330, 42.4210, 46.7283



38.8607, 42.4210, 49.3199



39.5799, 42.4210, 51.1226

Triad

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



38.8607, 42.4210, 49.3199



42.0075, 42.4210, 48.3547



40.1327, 42.4210, 41.1867

Complementary

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



38.8607, 42.4210, 49.3199



38.7993, 39.2220, 39.7089

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.



41.0691, 42.4210, 41.5840



38.8607, 42.4210, 49.3199



42.1611, 42.4210, 45.6544

Square

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



38.8607, 42.4210, 49.3199



41.3987, 42.4210, 50.5502



41.8152, 42.4210, 43.1940



39.2600, 42.4210, 42.0866

Rectangle

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



38.8607, 42.4210, 49.3199



40.1897, 42.4210, 51.5968



41.8152, 42.4210, 43.1940



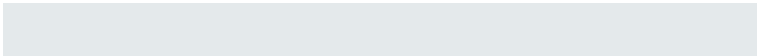
40.4504, 42.4210, 41.1734

Sweetspot

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



38.8619, 42.4228, 49.3208



76.0540, 80.9180, 89.9049



37.9865, 43.0303, 41.7587



16.2936, 17.3869, 19.4195



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



38.8619, 42.4228, 49.3208



68.7882, 75.7059, 89.2818



37.1974, 39.0936, 48.7660



8.6198, 9.3859, 10.8637



13.4069, 17.6142, 32.8303



0.4538, 0.6181, 1.0436

Inverse Universe

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



39.6795, 38.7192, 46.9793



70.5789, 67.6610, 84.1383



40.4228, 42.4690, 40.2500



8.7881, 8.6219, 10.3823



17.0018, 8.3183, 20.9675



0.5511, 0.2682, 0.7446

Previews

White Background



This preview shows how the XYZ color 38.8607, 42.4210, 49.3199 looks on a white background.

Color Contrast Check

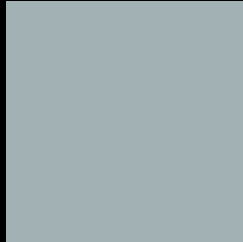
Large Text (above 18pt) WCAG AA × Fail

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 38.8607, 42.4210, 49.3199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

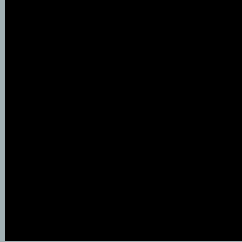
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

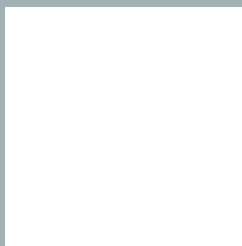
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.8607, 42.4210, 49.3199

Background



This preview shows how black text looks on a background with the XYZ color 38.8607, 42.4210, 49.3199.



This preview shows how white text looks on a background with the XYZ color 38.8607, 42.4210,

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

38.8607, 42.4210, 49.3199

Protanopia

40.8839, 42.3316, 48.1355

Deuteranopia

43.1250, 42.3181, 50.1513



Tritanopia

40.0205, 42.6173, 54.2608

Trichromacy



Original Color

38.8607, 42.4210, 49.3199

Protanomaly

40.0673, 42.1847, 48.6785

Deuteranomaly

41.4531, 42.3062, 49.6972

Tritanomaly

39.4925, 42.3824, 52.5535

Monochromacy



Original Color

38.8607, 42.4210, 49.3199

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.3347, 41.8417, 47.0774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8607, 42.4210, 49.3199 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(162, 177, 180)` looks like.

```
.text, #text, p{  
    color:rgb(162, 177, 180)  
}
```

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(162, 177, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 177, 180) }
```

Border

The CSS property to change the border of an element to XYZ 38.8607, 42.4210, 49.3199 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(162, 177, 180) }
```


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

```
.border{ border-color:rgb(162, 177, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 177, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 177, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 177, 180);  
box-shadow:4px 4px 4px 4px rgb(162, 177,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8607, 42.4210, 49.3199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 177, 180) }
```

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

```
.background{ background-color: rgb(162,  
177, 180) }
```

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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