

Converting Colors

XYZ(38.4984, 42.2089, 49.5241)

Have a look what the booklet for
XYZ(38.4984, 42.2089, 49.5241)
contains.

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Color

**XYZ(38.4576, 42.2132,
49.3010)**

Conversions

Conversions Part 1

Format	Color
Hex	A0B1B4
RGB	160, 177, 180
RGB Percent	63%, 69%, 71%
CMY	0.3725, 0.3059, 0.2941
CMYK	0.11, 0.02, 0.00, 0.29
HSL	189°, 12%, 67%
HSV	189°, 11%, 71%
XYZ	38.4576, 42.2132, 49.3010
YIQ	172.2590, -11.0950, -2.6710

Conversions

Conversions Part 2

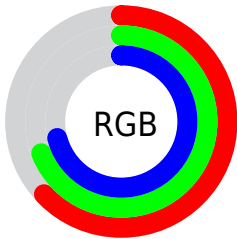
Format	Color
RYB	160, 169, 180
Decimal	10531252
CIELab	71.02, -5.26, -3.55
CIELCh	71, 6.345, 213.991
Yxy	42.2132, 0.2959, 0.3248
Android (android.graphics.Color)	4288721332 (0xFFFA0B1B4)
YUV	172.2590, 3.8163, -10.7511
Hunter-Lab	64.9717, -8.0439, 0.4905

Details

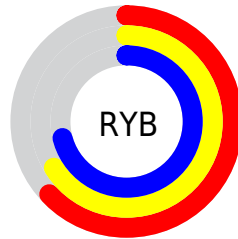
The XYZ color **38.4576, 42.2132, 49.3010** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.2650, 38.4355, 38.6605**, and the grayscale version is **39.3302, 41.3784, 45.0611**.

A 20% lighter version of the original color is **72.3036, 78.7810, 90.7523**, and **17.2228, 19.1358, 22.8645** is the 20% darker color. If you saturate the color by 10%, you get **34.5893, 39.4369, 48.9697**, and if you desaturate by 10%, it is **42.8599, 45.2827, 49.6621**.

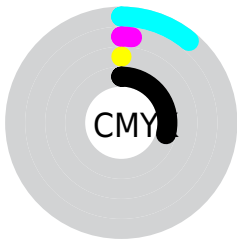
Distribution



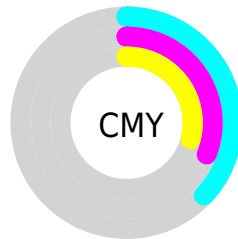
- Red (63%)
- Green (69%)
- Blue (71%)



- Red (63%)
- Yellow (66%)
- Blue (71%)



- Cyan (11%)
- Magenta (2%)
- Yellow (0%)
- Black (29%)



- Cyan (37%)
- Magenta (31%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4576, 42.2132, 49.3010 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 38.4576, 42.2132, 49.3010 by changing the saturation by 10% instead.

■ 38.4576, 42.2132,
49.3010

■ 38.4576, 42.2132,
49.3010

330.8259,
355.3660, 400.5826

■ 26.5169, 29.2683,
34.4910

■ 72.1084, 78.5222,
90.5240

■ 17.3454, 19.2839,
22.9907

■ 94.5491, 102.6550,
117.7740

■ 10.5779, 11.8756,
14.3814

121.2206,
131.2860, 150.0078

■ 5.8490, 6.6590,
8.2446

152.4881,
164.7994, 187.6440

■ 2.7932, 3.2498,
4.1619

188.7170,
203.5797, 231.1010

■ 1.0454, 1.2635,
1.7146

230.2727,

■ 0.0000, 0.1127,

248.0114, 280.7974

0.3707

277.5206,
298.4786, 337.1518

■ 0.0000, 0.0000,
0.0000

■ 38.4576, 42.2132,
49.3010

■ 38.4576, 42.2132,
49.3010

■ 34.5893, 39.4369,
48.9697

■ 42.8599, 45.2827,
49.6621

■ 31.2289, 36.9370,
48.6642

■ 47.8136, 48.6509,
50.0512

■ 28.3539, 34.7026,
48.3845

■ 53.3397, 52.3301,
50.4701

■ 25.9381, 32.7204,
48.1292

■ 59.4570, 56.3300,
50.9197

■ 23.9533, 30.9757,
47.8971

■ 66.1836, 60.6600,
51.4009

■ 22.3678, 29.4520,
47.6865

■ 68.5901, 62.7789,
51.6831

■ 21.1457, 28.1306,
47.4959

■ 69.1927, 63.9840,
51.8839

■ 20.2441, 26.9896,
47.3232

■ 69.8062, 65.2110,
52.0884

■ 19.6338, 26.0864,
47.1810

■ 70.4307, 66.4600,
52.2966

Harmonies

Analogous

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



38.1251, 42.2132, 46.3700



38.4576, 42.2132, 49.3010



39.2360, 42.2132, 51.4059

Triad

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



38.4576, 42.2132, 49.3010



41.9804, 42.2132, 48.5681



39.9808, 42.2132, 40.3873

Complementary

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



38.4576, 42.2132, 49.3010



38.2650, 38.4355, 38.6605

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.



41.0220, 42.2132, 40.9185



38.4576, 42.2132, 49.3010



42.1882, 42.2132, 45.5583

Square

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



38.4576, 42.2132, 49.3010



41.2716, 42.2132, 50.9699



41.8345, 42.2132, 42.7792



38.9947, 42.2132, 41.2953

Rectangle

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



38.4576, 42.2132, 49.3010



39.9096, 42.2132, 52.0101



41.8345, 42.2132, 42.7792



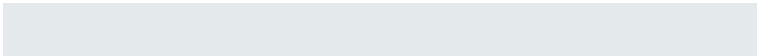
40.3359, 42.2132, 40.4038

Sweetspot

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



38.4588, 42.2150, 49.3019



76.0873, 80.9845, 89.9160



37.4002, 42.7492, 40.7749



16.3027, 17.4050, 19.4225



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.



38.4588, 42.2150, 49.3019



68.1725, 75.4369, 89.2623



36.6160, 38.5294, 48.6877



8.6320, 9.4102, 10.8677



13.7419, 18.2842, 32.9419



0.4617, 0.6340, 1.0463

Inverse Universe

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



39.3300, 38.0201, 46.8628



70.0332, 66.5432, 84.0377



40.0480, 42.0015, 39.2548



8.7942, 8.6244, 10.4147



17.1709, 8.3859, 21.8579



0.5551, 0.2698, 0.7657

Previews

White Background



This preview shows how the XYZ color 38.4576, 42.2132, 49.3010 looks on a white background.

Color Contrast Check

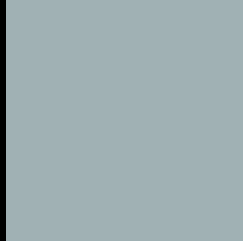
Large Text (above 18pt) WCAG AA × Fail

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 38.4576, 42.2132, 49.3010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

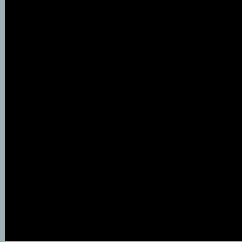
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

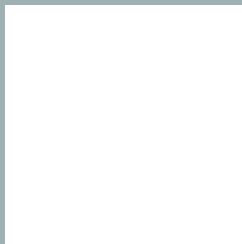
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.4576, 42.2132, 49.3010

Background



This preview shows how black text looks on a background with the XYZ color 38.4576, 42.2132, 49.3010.



This preview shows how white text looks on a background with the XYZ color 38.4576, 42.2132,

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

38.4576, 42.2132, 49.3010

Protanopia

40.5586, 42.1754, 47.5980

Deuteranopia

42.9396, 41.9475, 50.0895



Tritanopia

39.6109, 42.4062, 54.2416

Trichromacy



Original Color

38.4576, 42.2132, 49.3010

Protanomaly

39.7495, 42.0325, 48.1375

Deuteranomaly

41.0349, 41.8091, 49.6233

Tritanomaly

39.0862, 42.1729, 52.5345

Monochromacy



Original Color

38.4576, 42.2132, 49.3010

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

39.0224, 41.6921, 46.5481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4576, 42.2132, 49.3010 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(160, 177, 180)` looks like.

```
.text, #text, p{  
    color:rgb(160, 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(160, 177, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 177, 180) }
```

Border

The CSS property to change the border of an element to XYZ 38.4576, 42.2132, 49.3010 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(160, 177, 180) }
```


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

```
.border{ border-color:rgb(160, 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(160, 177, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 177, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 177, 180);  
box-shadow:4px 4px 4px 4px rgb(160, 177,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4576, 42.2132, 49.3010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 177, 180) }
```

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

```
.background{ background-color: rgb(160,  
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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