

Converting Colors

XYZ(38.7311, 42.6530, 48.2495)

Have a look what the booklet for
XYZ(38.7311, 42.6530, 48.2495)
contains.

XYZ(38.8566, 42.7365, 48.3205)	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(38.8566, 42.7365,
48.3205)**

Conversions

Conversions Part 1

Format	Color
Hex	A2B2B2
RGB	162, 178, 178
RGB Percent	64%, 70%, 70%
CMY	0.3647, 0.3019, 0.3020
CMYK	0.09, 0.00, 0.00, 0.30
HSL	180°, 9%, 67%
HSV	180°, 9%, 70%
XYZ	38.8566, 42.7365, 48.3205
YIQ	173.2160, -9.5360, -3.3920

Conversions

Conversions Part 2

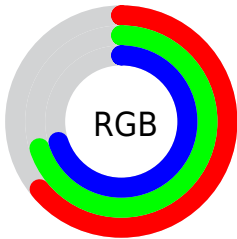
Format	Color
RYB	162, 170, 178
Decimal	10662578
CIELab	71.38, -5.53, -1.91
CIElCh	71, 5.849, 199.008
Yxy	42.7365, 0.2991, 0.3290
Android (android.graphics.Color)	4288852658 (0xFFA2B2B2)
YUV	173.2160, 2.3585, -9.8364
Hunter-Lab	65.3732, -8.3059, 1.9371

Details

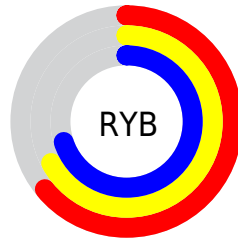
The XYZ color **38.8566, 42.7365, 48.3205** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.8036, 37.9155, 39.5104**, and the grayscale version is **39.8235, 41.8974, 45.6263**.

A 20% lighter version of the original color is **72.8894, 79.5379, 89.3526**, and **17.4657, 19.4629, 22.2382** is the 20% darker color. If you saturate the color by 10%, you get **35.4937, 41.0041, 48.1625**, and if you desaturate by 10%, it is **42.7338, 44.7364, 48.5043**.

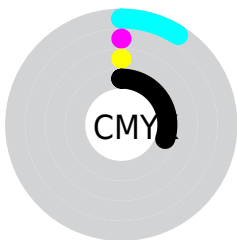
Distribution



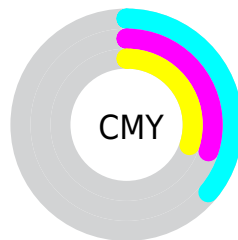
- Red (64%)
- Green (70%)
- Blue (70%)



- Red (64%)
- Yellow (67%)
- Blue (70%)



- Cyan (9%)
- Magenta (0%)
- Yellow (0%)
- Black (30%)



- Cyan (36%)
- Magenta (30%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8566, 42.7365, 48.3205 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 38.8566, 42.7365, 48.3205 by changing the saturation by 10% instead.

■ 38.8566, 42.7365,
48.3205

■ 38.8566, 42.7365,
48.3205

332.4981,
357.5270, 396.6064

■ 26.8284, 29.6784,
33.7190

■ 72.7147, 79.3131,
89.0519

■ 17.5803, 19.5946,
22.4022

■ 95.2753, 103.6004,
116.0189

■ 10.7470, 12.1007,
13.9516

122.0774,
132.3995, 147.9448

■ 5.9630, 6.8123,
7.9486

153.4864,
166.0949, 185.2480

■ 2.8630, 3.3450,
3.9748

189.8676,
205.0710, 228.3473

■ 1.0817, 1.3144,
1.6115

231.5864,

■ 0.0098, 0.1523,

249.7121, 277.6611

0.2990

279.0081,
300.4026, 333.6080

■ 0.0000, 0.0000,
0.0000

■ 38.8566, 42.7365,
48.3205

■ 38.8566, 42.7365,
48.3205

■ 35.4937, 41.0041,
48.1625

■ 42.7338, 44.7364,
48.5043

■ 32.6200, 39.5227,
48.0265

■ 47.1418, 47.0088,
48.7121

■ 30.2140, 38.2823,
47.9124

■ 52.1008, 49.5652,
48.9457

■ 28.2507, 37.2703,
47.8190

■ 57.6290, 52.4151,
49.2059

■ 26.7034, 36.4726,
47.7451

■ 63.7436, 55.5672,
49.4936

■ 25.5419, 35.8739,
47.6893

■ 65.1989, 56.3174,
49.5632

■ 24.7325, 35.4567,
47.6499

■ 65.1992, 56.3175,
49.5647

■ 24.2353, 35.2004,
47.6251

■ 65.1995, 56.3177,
49.5662

■ 23.9771, 35.0673,
47.6115

■ 65.1998, 56.3178,
49.5677

Harmonies

Analogous

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



38.7902, 42.7365, 45.5070



38.8566, 42.7365, 48.3205



39.3910, 42.7365, 50.7449

Triad

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



38.8566, 42.7365, 48.3205



42.0650, 42.7365, 50.1793



40.9817, 42.7365, 41.4124

Complementary

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



38.8566, 42.7365, 48.3205



37.8036, 37.9155, 39.5104

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.



41.8738, 42.7365, 42.5605



38.8566, 42.7365, 48.3205



42.5060, 42.7365, 47.5739

Square

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



38.8566, 42.7365, 48.3205



41.2393, 42.7365, 51.8476



42.4355, 42.7365, 44.7897



40.0065, 42.7365, 41.5942

Rectangle

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



38.8566, 42.7365, 48.3205



39.9456, 42.7365, 51.7787



42.4355, 42.7365, 44.7897



41.3015, 42.7365, 41.6537

Sweetspot

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



38.8578, 42.7383, 48.3214



74.5221, 79.5921, 87.8154



37.3978, 42.1606, 40.3500



16.3845, 17.5688, 19.4496



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.



38.8578, 42.7383, 48.3214



69.0422, 76.7672, 87.5568



37.3622, 39.7467, 47.8242



8.7426, 9.6315, 10.9043



17.1390, 25.0816, 34.0642



0.5393, 0.7892, 1.0719

Inverse Universe

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



37.8036, 37.9155, 39.5104



66.6977, 66.0417, 67.9618



39.2080, 40.7247, 39.9774



8.4964, 8.5053, 8.8467



13.1370, 6.7724, 0.6155



0.4134, 0.2131, 0.0195

Previews

White Background



This preview shows how the XYZ color 38.8566, 42.7365, 48.3205 looks on a white background.

Color Contrast Check

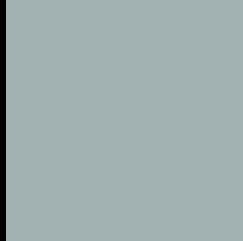
Large Text (above 18pt) WCAG AA × Fail

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 38.8566, 42.7365, 48.3205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

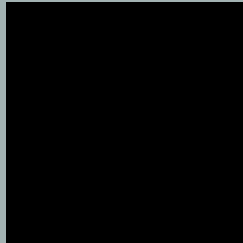
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

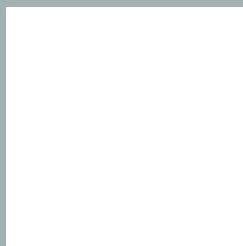
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.8566, 42.7365, 48.3205

Background



This preview shows how black text looks on a background with the XYZ color 38.8566, 42.7365, 48.3205.



This preview shows how white text looks on a background with the XYZ color 38.8566, 42.7365,

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

38.8566, 42.7365, 48.3205

Protanopia

41.0054, 42.7144, 46.6409

Deuteranopia

43.4125, 42.4900, 49.0933



Tritanopia

40.1294, 42.6609, 54.8345

Trichromacy



Original Color

38.8566, 42.7365, 48.3205

Protanomaly

40.1797, 42.5652, 47.1725

Deuteranomaly

41.4796, 42.3434, 48.6347

Tritanomaly

39.6893, 42.7760, 52.6191

Monochromacy



Original Color

38.8566, 42.7365, 48.3205

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.4300, 42.1901, 46.6228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8566, 42.7365, 48.3205 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, 178, 178)` looks like.

```
.text, #text, p{  
    color:rgb(162, 178, 178)  
}
```

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, 178, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 178, 178) }
```

Border

The CSS property to change the border of an element to XYZ 38.8566, 42.7365, 48.3205 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, 178, 178) }
```


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

```
.border{ border-color:rgb(162, 178, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 178, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 178, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 178, 178);  
box-shadow:4px 4px 4px 4px rgb(162, 178,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8566, 42.7365, 48.3205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 178, 178) }
```

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

```
.background{ background-color: rgb(162,  
178, 178) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor