

Converting Colors

XYZ(38.4653, 42.6324, 47.6205)

Have a look what the booklet for
XYZ(38.4653, 42.6324, 47.6205)
contains.

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Color

**XYZ(38.3534, 42.4887,
47.7747)**

Conversions

Conversions Part 1

Format	Color
Hex	A0B2B1
RGB	160, 178, 177
RGB Percent	63%, 70%, 69%
CMY	0.3725, 0.3019, 0.3059
CMYK	0.10, 0.00, 0.01, 0.30
HSL	177°, 10%, 66%
HSV	177°, 10%, 70%
XYZ	38.3534, 42.4887, 47.7747
YIQ	172.5040, -10.4070, -4.1270

Conversions

Conversions Part 2

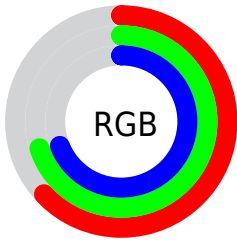
Format	Color
RYB	160, 169, 178
Decimal	10531505
CIELab	71.21, -6.41, -1.62
CIElCh	71, 6.611, 194.186
Yxy	42.4887, 0.2982, 0.3304
Android (android.graphics.Color)	4288721585 (0xFFA0B2B1)
YUV	172.5040, 2.2165, -10.9660
Hunter-Lab	65.1834, -9.0428, 2.1731

Details

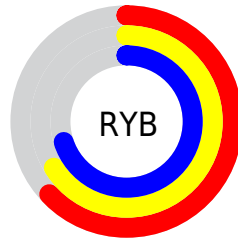
The XYZ color **38.3534, 42.4887, 47.7747** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.3654, 37.1809, 38.9274**, and the grayscale version is **39.4620, 41.5171, 45.2121**.

A 20% lighter version of the original color is **72.1551, 79.1759, 88.5703**, and **17.1560, 19.3106, 21.8919** is the 20% darker color. If you saturate the color by 10%, you get **34.9485, 40.7459, 47.1022**, and if you desaturate by 10%, it is **42.2710, 44.4980, 48.4767**.

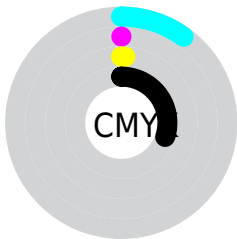
Distribution



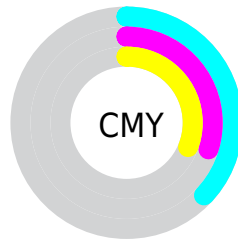
- Red (63%)
- Green (70%)
- Blue (69%)



- Red (63%)
- Yellow (66%)
- Blue (70%)



- Cyan (10%)
- Magenta (0%)
- Yellow (1%)
- Black (30%)



- Cyan (37%)
- Magenta (30%)
- Yellow (31%)
- Black (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3534, 42.4887, 47.7747 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 38.3534, 42.4887, 47.7747 by changing the saturation by 10% instead.

■ 38.3534, 42.4887,
47.7747

■ 38.3534, 42.4887,
47.7747

330.3882,
356.5048, 394.3813

■ 26.4355, 29.4841,
33.2898

■ 71.9499, 78.9387,
88.2309

■ 17.2841, 19.4474,
22.0756

■ 94.3593, 103.1530,
115.0393

■ 10.5338, 11.9940,
13.7136

120.9965,
131.8726, 146.7926

■ 5.8193, 6.7396,
7.7853

152.2269,
165.4819, 183.9093

■ 2.7751, 3.2998,
3.8721

188.4160,
204.3655, 226.8080

■ 1.0360, 1.2902,
1.5554

229.9290,

■ 0.0000, 0.1336,

248.9075, 275.9072

0.2587

277.1313,
299.4925, 331.6254

■ 0.0000, 0.0000,
0.0000

■ 38.3534, 42.4887,
47.7747

■ 38.3534, 42.4887,
47.7747

■ 34.9485, 40.7459,
47.1022

■ 42.2710, 44.4980,
48.4767

■ 32.0311, 39.2532,
46.4554

■ 46.7179, 46.7789,
49.2064

■ 29.5793, 38.0005,
45.8341

■ 51.7144, 49.3431,
49.9655

■ 27.5681, 36.9748,
45.2371

■ 57.2788, 52.1999,
50.7550

■ 25.9703, 36.1622,
44.6632

■ 63.4285, 55.3584,
51.5756

■ 24.7556, 35.5470,
44.1110

■ 65.7032, 56.5192,
52.2187

■ 23.8894, 35.1113,
43.5787

■ 65.8068, 56.5606,
52.7640

■ 23.3312, 34.8343,
43.0646

■ 65.9110, 56.6023,
53.3131

■ 22.9975, 34.6729,
42.5701

■ 66.0160, 56.6443,
53.8661

Harmonies

Analogous

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



38.3685, 42.4887, 44.6198



38.3534, 42.4887, 47.7747



38.8754, 42.4887, 50.6481

Triad

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



38.3534, 42.4887, 47.7747



41.8877, 42.4887, 50.7784



40.9677, 42.4887, 40.6363

Complementary

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



38.3534, 42.4887, 47.7747



37.3654, 37.1809, 38.9274

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.



41.9316, 42.4887, 42.1386



38.3534, 42.4887, 47.7747



42.4693, 42.4887, 47.9460

Square

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



38.3534, 42.4887, 47.7747



40.9087, 42.4887, 52.4352



42.4855, 42.4887, 44.7835



39.8643, 42.4887, 40.5951

Rectangle

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



38.3534, 42.4887, 47.7747



39.4634, 42.4887, 51.9769



42.4855, 42.4887, 44.7835



41.3192, 42.4887, 40.9839

Sweetspot

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



38.3546, 42.4905, 47.7756



74.4672, 79.5702, 87.5264



37.0051, 41.9785, 39.4106



16.3692, 17.5626, 19.3687



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.



38.3546, 42.4905, 47.7756



68.1816, 76.3488, 86.3742



36.9466, 39.5138, 47.8012



8.7218, 9.6232, 10.7947



16.4619, 24.8107, 30.4990



0.5241, 0.7831, 0.9920

Inverse Universe

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



37.3654, 37.1809, 38.9274



66.0472, 64.8913, 67.2807



38.6725, 39.9360, 38.9285



8.5149, 8.5127, 8.9440



13.1836, 6.7910, 0.8606



0.4211, 0.2162, 0.0603

Previews

White Background



This preview shows how the XYZ color 38.3534, 42.4887, 47.7747 looks on a white background.

Color Contrast Check

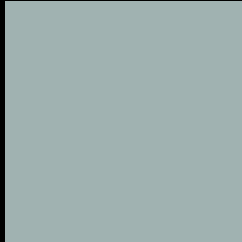
Large Text (above 18pt) WCAG AA × Fail

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 38.3534, 42.4887, 47.7747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

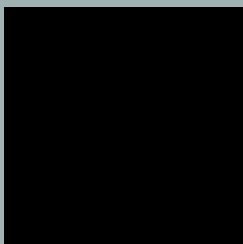
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

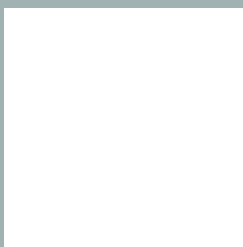
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.3534, 42.4887, 47.7747

Background



This preview shows how black text looks on a background with the XYZ color 38.3534, 42.4887, 47.7747.

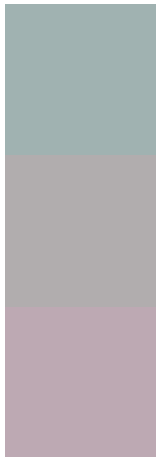


This preview shows how white text looks on a background with the XYZ color 38.3534, 42.4887,

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

38.3534, 42.4887, 47.7747

Protanopia

40.7150, 42.2902, 46.0613

Deuteranopia

43.3109, 42.4494, 48.5587



Tritanopia

39.7199, 42.4498, 54.8154

Trichromacy



Original Color

38.3534, 42.4887, 47.7747

Protanomaly

39.8624, 42.4130, 46.6430

Deuteranomaly

41.1485, 42.1844, 48.0931

Tritanomaly

39.1770, 42.5241, 52.0421

Monochromacy



Original Color

38.3534, 42.4887, 47.7747

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.1184, 42.0408, 46.0973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3534, 42.4887, 47.7747 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, 178, 177)` looks like.

```
.text, #text, p{  
    color:rgb(160, 178, 177)  
}
```

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, 178, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 178, 177) }
```

Border

The CSS property to change the border of an element to XYZ 38.3534, 42.4887, 47.7747 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, 178, 177) }
```


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

```
.border{ border-color:rgb(160, 178, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 178, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 178, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 178, 177);  
box-shadow:4px 4px 4px 4px rgb(160, 178,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3534, 42.4887, 47.7747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 178, 177) }
```

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

```
.background{ background-color: rgb(160,  
178, 177) }
```

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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