

Converting Colors

XYZ(33.4885, 38.8048, 47.8445)

Have a look what the booklet for
XYZ(33.4885, 38.8048, 47.8445)
contains.

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Color

**XYZ(33.4885, 38.8048,
47.8445)**

Conversions

Conversions Part 1

Format	Color
Hex	89AEB2
RGB	137, 174, 178
RGB Percent	54%, 68%, 70%
CMY	0.4627, 0.3176, 0.3020
CMYK	0.23, 0.02, 0.00, 0.30
HSL	186°, 21%, 62%
HSV	186°, 23%, 70%
XYZ	33.4885, 38.8048, 47.8445
YIQ	163.3930, -23.3360, -6.6000

Conversions

Conversions Part 2

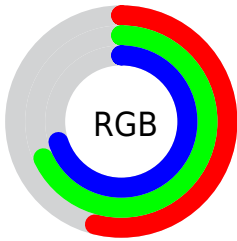
Format	Color
RYB	137, 156, 178
Decimal	9023154
CIELab	68.61, -11.55, -6.17
CIElCh	69, 13.095, 208.118
Yxy	38.8048, 0.2788, 0.3230
Android (android.graphics.Color)	4287213234 (0xFF89AEB2)
YUV	163.3930, 7.2013, -23.1467
Hunter-Lab	62.2935, -13.0534, -1.9322

Details

The XYZ color **33.4885, 38.8048, 47.8445** is a light color, and the websafe version is hex **669999**. A complement of this color would be **32.4008, 30.3212, 27.8127**, and the grayscale version is **34.9743, 36.7957, 40.0706**.

A 20% lighter version of the original color is **64.6340, 73.6105, 88.6436**, and **14.4990, 17.3782, 21.9922** is the 20% darker color. If you saturate the color by 10%, you get **30.4751, 36.7577, 47.6088**, and if you desaturate by 10%, it is **36.9899, 41.1119, 48.1059**.

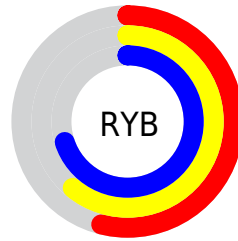
Distribution



Red (54%)

Green (68%)

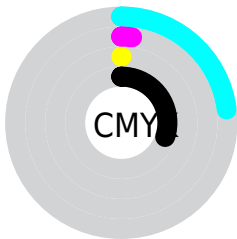
Blue (70%)



Red (54%)

Yellow (61%)

Blue (70%)

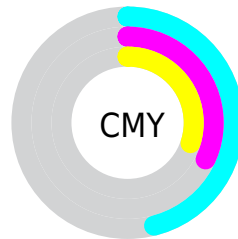


Cyan (23%)

Magenta (2%)

Yellow (0%)

Black (30%)



Cyan (46%)

Magenta (32%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4885, 38.8048, 47.8445 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 33.4885, 38.8048, 47.8445 by changing the saturation by 10% instead.

■ 33.4885, 38.8048,
47.8445

■ 33.4885, 38.8048,
47.8445

309.4714,
341.0599, 394.6663

■ 22.6620, 26.6079,
33.3446

■ 64.4870, 73.3400,
88.3360

■ 14.4634, 17.2790,
22.1173

■ 85.3897, 96.4471,
115.1647

■ 8.5275, 10.4336,
13.7440

■ 110.3819,
123.9598, 146.9401

■ 4.4889, 5.6874,
7.8061

139.8288,
156.2624, 184.0807

■ 1.9823, 2.6559,
3.8851

174.0959,
193.7393, 227.0051

■ 0.6240, 0.9549,
1.5625

213.5484,

■ 0.0000, 0.0000,

236.7749, 276.1318

0.2639

258.5518,
285.7536, 331.8794

■ 0.0000, 0.0000,
0.0000

■ 33.4885, 38.8048,
47.8445

■ 33.4885, 38.8048,
47.8445

■ 30.4751, 36.7577,
47.6088

■ 36.9899, 41.1119,
48.1059

■ 27.9226, 34.9537,
47.3952

■ 40.9979, 43.6856,
48.3914

■ 25.8067, 33.3811,
47.2031

■ 45.5343, 46.5381,
48.7029

■ 24.0993, 32.0254,
47.0315

■ 50.6185, 49.6796,
49.0413

■ 22.7688, 30.8704,
46.8786

■ 56.2689, 53.1195,
49.4075

■ 21.7794, 29.8976,
46.7430

■ 62.5033, 56.8670,
49.8022

■ 21.0878, 29.0846,
46.6225

■ 66.8672, 59.6568,
50.1107

■ 20.7188, 28.5799,
46.5446

■ 67.2355, 60.3934,
50.2335

■ 67.6083, 61.1389,
50.3577

Harmonies

Analogous

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



33.0527, 38.8048, 41.8793



33.4885, 38.8048, 47.8445



34.8239, 38.8048, 52.6689

Triad

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



33.4885, 38.8048, 47.8445



40.3604, 38.8048, 48.5509



37.0134, 38.8048, 31.8693

Complementary

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



33.4885, 38.8048, 47.8445



32.4008, 30.3212, 27.8127

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.



39.0213, 38.8048, 33.3077



33.4885, 38.8048, 47.8445



40.9979, 38.8048, 42.6265

Square

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



33.4885, 38.8048, 47.8445



38.7871, 38.8048, 53.1028



40.4990, 38.8048, 37.1129



35.0418, 38.8048, 32.9899

Rectangle

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



33.4885, 38.8048, 47.8445



36.0708, 38.8048, 54.3932



40.4990, 38.8048, 37.1129



37.7069, 38.8048, 32.0667

Sweetspot

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



33.4896, 38.8064, 47.8454



71.2611, 77.2519, 87.5364



31.0022, 39.0657, 30.8797



15.6925, 17.0540, 19.3869



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.



33.4896, 38.8064, 47.8454



57.6437, 68.2903, 86.5244



29.9226, 31.6723, 46.6564



8.6704, 9.4871, 10.8805



14.8499, 20.5001, 33.3112



0.4876, 0.6857, 1.0549

Inverse Universe

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



34.9467, 30.4133, 44.0746



60.8159, 50.3048, 78.2506



35.6065, 36.7326, 28.8813



8.8136, 8.6322, 10.5168



17.7302, 8.6096, 24.8028



0.5681, 0.2750, 0.8345

Previews

White Background



This preview shows how the XYZ color 33.4885, 38.8048, 47.8445 looks on a white background.

Color Contrast Check

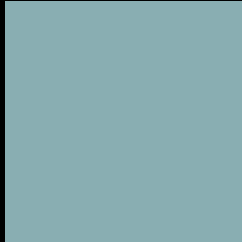
Large Text (above 18pt) WCAG AA × Fail

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 33.4885, 38.8048, 47.8445 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

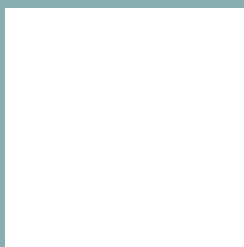
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.4885, 38.8048, 47.8445

Background



This preview shows how black text looks on a background with the XYZ color 33.4885, 38.8048, 47.8445.



This preview shows how white text looks on a background with the XYZ color 33.4885, 38.8048,

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

33.4885, 38.8048, 47.8445

Protanopia

37.3275, 38.6144, 45.0211

Deuteranopia

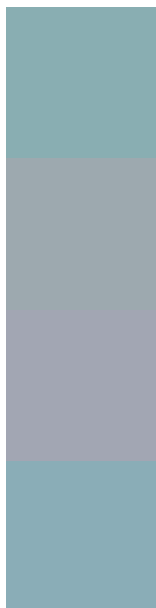
39.2900, 38.4831, 48.5372



Tritanopia

34.4540, 38.9213, 52.1510

Trichromacy



Original Color

33.4885, 38.8048, 47.8445

Protanomaly

35.8305, 38.6392, 46.1271

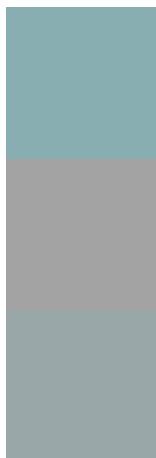
Deuteranomaly

36.6732, 38.2085, 48.0899

Tritanomaly

33.9720, 38.7093, 50.4809

Monochromacy



Original Color

33.4885, 38.8048, 47.8445

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.2130, 37.3346, 42.4489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4885, 38.8048, 47.8445 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(137, 174, 178)` looks like.

```
.text, #text, p{  
    color:rgb(137, 174, 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(137, 174, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 174, 178) }
```

Border

The CSS property to change the border of an element to XYZ 33.4885, 38.8048, 47.8445 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(137, 174, 178) }
```


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

```
.border{ border-color:rgb(137, 174, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 174, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 174, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 174, 178);  
box-shadow:4px 4px 4px 4px rgb(137, 174,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4885, 38.8048, 47.8445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 174, 178) }
```

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

```
.background{ background-color: rgb(137,  
174, 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](#).

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