

Converting Colors

XYZ(38.7876, 47.6706, 50.8731)

Have a look what the booklet for
XYZ(38.7876, 47.6706, 50.8731)
contains.

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Color

**XYZ(38.7876, 47.6706,
50.8731)**

Conversions

Conversions Part 1

Format	Color
Hex	8EC2B5
RGB	142, 194, 181
RGB Percent	56%, 76%, 71%
CMY	0.4431, 0.2392, 0.2902
CMYK	0.27, 0.00, 0.07, 0.24
HSL	165°, 30%, 66%
HSV	165°, 27%, 76%
XYZ	38.7876, 47.6706, 50.8731
YIQ	176.9700, -26.8190, -15.0670

Conversions

Conversions Part 2

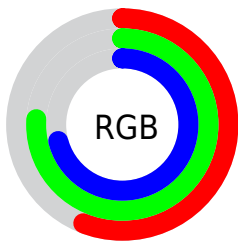
Format	Color
RYB	142, 172, 194
Decimal	9355957
CIELab	74.62, -19.72, 1.04
CIElCh	75, 19.747, 176.974
Yxy	47.6706, 0.2824, 0.3471
Android (android.graphics.Color)	4287546037 (0xFF8EC2B5)
YUV	176.9700, 1.9868, -30.6687
Hunter-Lab	69.0439, -20.5488, 4.6445

Details

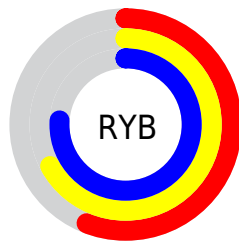
The XYZ color **38.7876, 47.6706, 50.8731** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.8392, 33.1831, 35.4229**, and the grayscale version is **41.7753, 43.9508, 47.8625**.

A 20% lighter version of the original color is **72.8092, 86.9791, 93.0720**, and **17.4908, 22.4883, 23.8409** is the 20% darker color. If you saturate the color by 10%, you get **35.2555, 45.9075, 48.1554**, and if you desaturate by 10%, it is **42.9190, 49.7432, 53.7114**.

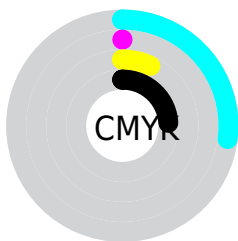
Distribution



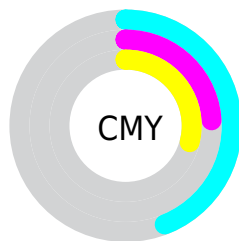
- Red (56%)
- Green (76%)
- Blue (71%)



- Red (56%)
- Yellow (67%)
- Blue (76%)



- Cyan (27%)
- Magenta (0%)
- Yellow (7%)
- Black (24%)



- Cyan (44%)
- Magenta (24%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7876, 47.6706, 50.8731 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 38.7876, 47.6706, 50.8731 by changing the saturation by 10% instead.

■ 38.7876, 47.6706,
50.8731

■ 38.7876, 47.6706,
50.8731

332.2093,
377.4850, 406.9030

■ 26.7745, 33.5661,
35.7316

■ 72.6099, 86.7138,
92.8767

■ 17.5397, 22.5605,
23.9389

■ 95.1498, 112.4212,
120.5760

■ 10.7177, 14.2693,
15.0765

121.9293,
142.7651, 153.2982

■ 5.9432, 8.3082,
8.7259

153.3139,
178.1298, 191.4619

■ 2.8509, 4.2928,
4.4685

189.6688,
218.8998, 235.4857

■ 1.0754, 1.8387,
1.8857

231.3595,

■ 0.0044, 0.5111,

265.4594, 285.7882

0.4836

278.7512,
318.1930, 342.7878

■ 0.0000, 0.0000,
0.0000

■ 38.7876, 47.6706,
50.8731

■ 38.7876, 47.6706,
50.8731

■ 35.2555, 45.9075,
48.1554

■ 42.9190, 49.7432,
53.7114

■ 32.2886, 44.4325,
45.5526

■ 47.6738, 52.1338,
56.6693

■ 29.8552, 43.2307,
43.0635

■ 53.0794, 54.8579,
59.7498

■ 27.9191, 42.2832,
40.6854

■ 59.1607, 57.9283,
62.9551

■ 26.4391, 41.5689,
38.4154

■ 65.9409, 61.3569,
66.2871

■ 25.3675, 41.0633,
36.2503

■ 72.1788, 64.5038,
69.6886

■ 24.6403, 40.7334,
34.1862

■ 72.7929, 64.7495,
72.9225

■ 24.4418, 40.6450,
33.5459

■ 73.4255, 65.0025,
76.2538

■ 74.0768, 65.2630,
79.6833

Harmonies

Analogous

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



39.7885, 47.6706, 41.9005



38.7876, 47.6706, 50.8731



39.4568, 47.6706, 61.3538

Triad

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



38.7876, 47.6706, 50.8731



48.4986, 47.6706, 71.4952



49.1591, 47.6706, 37.0909

Complementary

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



38.7876, 47.6706, 50.8731



37.8392, 33.1831, 35.4229

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.



51.7141, 47.6706, 43.4801



38.7876, 47.6706, 50.8731



51.3189, 47.6706, 63.3877

Square

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



38.7876, 47.6706, 50.8731



44.9477, 47.6706, 74.1438



52.5243, 47.6706, 52.9511



45.6732, 47.6706, 34.6277

Rectangle

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



38.7876, 47.6706, 50.8731



40.7803, 47.6706, 67.6633



52.5243, 47.6706, 52.9511



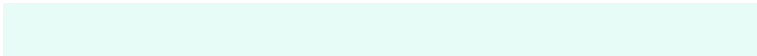
50.1621, 47.6706, 38.8059

Sweetspot

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



38.7890, 47.6726, 50.8742



85.1635, 93.8423, 101.9446



37.8603, 47.5933, 32.7829



18.3494, 20.3993, 22.1427



0.0000, 0.0000, 0.0000



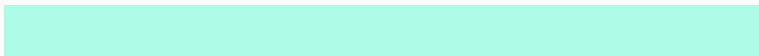
20.3446, 21.4041, 23.3091

Same Dimension

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



38.7890, 47.6726, 50.8742



66.4931, 84.4772, 89.3321



37.5951, 43.0489, 57.3691



10.2574, 11.3840, 12.3590



16.1033, 26.7354, 22.2346



0.7220, 1.1656, 1.0988

Inverse Universe

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



37.8392, 33.1831, 35.4229



64.4966, 53.9574, 56.8063



38.7098, 36.5789, 30.6121



10.1742, 10.1183, 11.0079



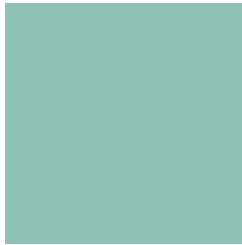
15.0134, 7.6951, 2.7166



0.6774, 0.3440, 0.2687

Previews

White Background



This preview shows how the XYZ color 38.7876, 47.6706, 50.8731 looks on a white background.

Color Contrast Check

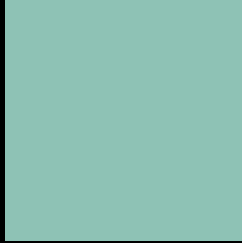
Large Text (above 18pt) WCAG AA × Fail

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 38.7876, 47.6706, 50.8731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

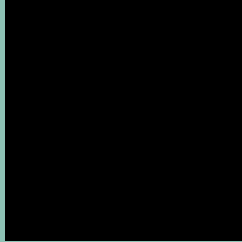
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.7876, 47.6706, 50.8731

Background



This preview shows how black text looks on a background with the XYZ color 38.7876, 47.6706, 50.8731.

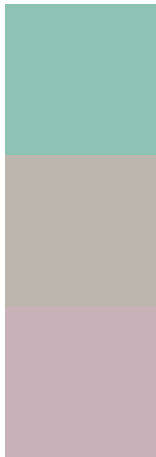


This preview shows how white text looks on a background with the XYZ color 38.7876, 47.6706,

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

38.7876, 47.6706, 50.8731

Protanopia

45.1070, 47.2033, 46.7781

Deuteranopia

48.1933, 47.1843, 51.9148



Tritanopia

41.5867, 47.4862, 65.3664

Trichromacy



Original Color

38.7876, 47.6706, 50.8731

Protanomaly

42.2893, 46.9501, 48.4284

Deuteranomaly

44.0711, 46.8696, 51.5237

Tritanomaly

40.3859, 47.3126, 59.8270

Monochromacy



Original Color

38.7876, 47.6706, 50.8731

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.2792, 44.9738, 48.6774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7876, 47.6706, 50.8731 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(142, 194, 181)` looks like.

```
.text, #text, p{  
    color:rgb(142, 194, 181)  
}
```

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(142, 194, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 194, 181) }
```

Border

The CSS property to change the border of an element to XYZ 38.7876, 47.6706, 50.8731 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(142, 194, 181) }
```


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

```
.border{ border-color:rgb(142, 194, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 194, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 194, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 194, 181);  
box-shadow:4px 4px 4px 4px rgb(142, 194,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7876, 47.6706, 50.8731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 194, 181) }
```

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

```
.background{ background-color: rgb(142,  
194, 181) }
```

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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