

Converting Colors

XYZ(36.8485, 49.0068, 43.7340)

Have a look what the booklet for
XYZ(36.8485, 49.0068, 43.7340)
contains.

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Color

**XYZ(36.7431, 48.8076,
43.5606)**

Conversions

Conversions Part 1

Format	Color
Hex	82C8A6
RGB	130, 200, 166
RGB Percent	51%, 78%, 65%
CMY	0.4902, 0.2157, 0.3490
CMYK	0.35, 0.00, 0.17, 0.22
HSL	151°, 39%, 65%
HSV	151°, 35%, 78%
XYZ	36.7431, 48.8076, 43.5606
YIQ	175.1940, -30.8060, -25.4140

Conversions

Conversions Part 2

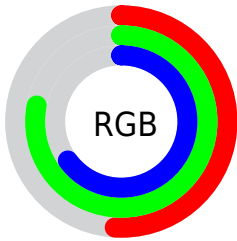
Format	Color
RYB	130, 176, 200
Decimal	8571046
CIELab	75.33, -29.43, 10.10
CIELCh	75, 31.119, 161.064
Yxy	48.8076, 0.2846, 0.3780
Android (android.graphics.Color)	4286761126 (0xFF82C8A6)
YUV	175.1940, -4.5326, -39.6351
Hunter-Lab	69.8624, -28.3799, 11.9352

Details

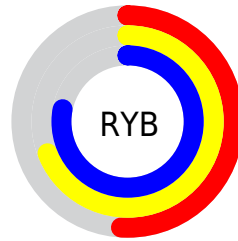
The XYZ color **36.7431, 48.8076, 43.5606** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.5045, 30.9260, 39.0637**, and the grayscale version is **40.8832, 43.0123, 46.8404**.

A 20% lighter version of the original color is **68.8187, 87.0547, 81.5827**, and **16.3767, 23.3505, 19.5635** is the 20% darker color. If you saturate the color by 10%, you get **33.1108, 47.0355, 38.9136**, and if you desaturate by 10%, it is **41.0417, 50.9180, 48.5924**.

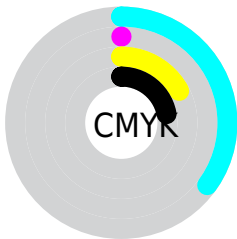
Distribution



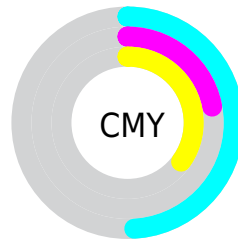
- Red (51%)
- Green (78%)
- Blue (65%)



- Red (51%)
- Yellow (69%)
- Blue (78%)



- Cyan (35%)
- Magenta (0%)
- Yellow (17%)
- Black (22%)



- Cyan (49%)
- Magenta (22%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7431, 48.8076, 43.5606 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 36.7431, 48.8076, 43.5606 by changing the saturation by 10% instead.

■ 36.7431, 48.8076,
43.5606

■ 36.7431, 48.8076,
43.5606

323.5718,
381.9844, 376.9009

■ 25.1814, 34.4669,
29.9906

■ 69.4939, 88.4056,
81.8516

■ 16.3417, 23.2525,
19.5794

■ 91.4137, 114.4317,
107.4096

■ 9.8587, 14.7801,
11.9087

■ 117.5169,
145.1217, 137.8006

■ 5.3669, 8.6652,
6.5597

148.1689,
180.8601, 173.4433

■ 2.5011, 4.5234,
3.1141

183.7351,
222.0311, 214.7561

■ 0.8958, 1.9705,
1.1532

224.5807,

■ 0.0000, 0.5902,

269.0192, 262.1577

0.0000

271.0712,
322.2089, 316.0664

■ 0.0000, 0.0000,
0.0000

■ 36.7431, 48.8076,
43.5606

■ 36.7431, 48.8076,
43.5606

■ 33.1108, 47.0355,
38.9136

■ 41.0417, 50.9180,
48.5924

■ 30.1046, 45.5773,
34.6386

■ 46.0358, 53.3778,
54.0146

■ 27.6861, 44.4146,
30.7268


■ 51.7579, 56.2047,
59.8370

■ 25.8106, 43.5246,
27.1680


■ 58.2371, 59.4136,
66.0682

■ 24.4267, 42.8809,
23.9511


■ 65.5007, 63.0185,
72.7160


 23.4719, 42.4516,
21.0642

 73.5749, 67.0327,
79.7886

 23.0962, 42.2868,
19.7389

 76.7473, 68.5113,
87.0249

 78.1819, 69.0851,
94.5795

 79.6942, 69.6900,
102.5435

Harmonies

Analogous

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



39.5323, 48.8076, 32.7519



36.7431, 48.8076, 43.5606



36.4095, 48.8076, 59.4215

Triad

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



36.7431, 48.8076, 43.5606



48.5335, 48.8076, 90.4485



55.1889, 48.8076, 35.0172

Complementary

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



36.7431, 48.8076, 43.5606



38.5045, 30.9260, 39.0637

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.



58.0460, 48.8076, 47.3235



36.7431, 48.8076, 43.5606



53.9985, 48.8076, 80.6135

Square

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



36.7431, 48.8076, 43.5606



42.9109, 48.8076, 88.8619



57.5933, 48.8076, 64.0371



50.0525, 48.8076, 28.5655

Rectangle

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



36.7431, 48.8076, 43.5606



37.5904, 48.8076, 71.1142



57.5933, 48.8076, 64.0371



56.4661, 48.8076, 38.4876

Sweetspot

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



36.7444, 48.8096, 43.5617



83.3561, 94.2161, 97.3054



40.2022, 50.9218, 28.8296



17.5570, 20.0256, 20.5344



0.0000, 0.0000, 0.0000



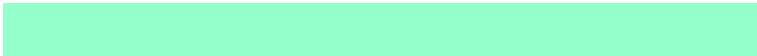
20.3446, 21.4041, 23.3091

Same Dimension

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



36.7444, 48.8096, 43.5617



58.7315, 82.1173, 69.2410



40.2872, 50.2267, 62.2174



10.7213, 11.9774, 12.4828



14.7302, 26.9044, 12.7896



0.7340, 1.2885, 0.7978

Inverse Universe

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



38.5045, 30.9260, 39.0637



62.2304, 46.5749, 60.3057



35.8327, 29.8573, 24.9940



10.8449, 10.7214, 12.1666



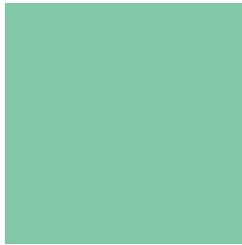
16.5664, 8.3761, 8.1926



0.8210, 0.4112, 0.5805

Previews

White Background



This preview shows how the XYZ color 36.7431, 48.8076, 43.5606 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 36.7431, 48.8076, 43.5606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

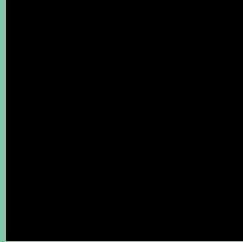
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.7431, 48.8076, 43.5606

Background



This preview shows how black text looks on a background with the XYZ color 36.7431, 48.8076, 43.5606.

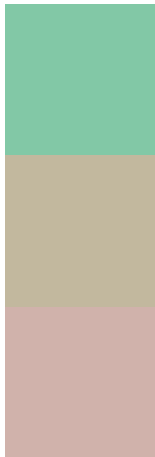


This preview shows how white text looks on a background with the XYZ color 36.7431, 48.8076,

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

36.7431, 48.8076, 43.5606

Protanopia

45.5602, 48.2189, 39.2537

Deuteranopia

49.2835, 48.1910, 45.2323



Tritanopia

41.7399, 48.8122, 68.1945

Trichromacy



Original Color

36.7431, 48.8076, 43.5606



Protanomaly

41.6411, 48.0580, 40.7996



Deuteranomaly

43.5427, 47.6857, 44.4454



Tritanomaly

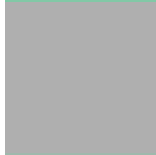
39.6309, 48.6091, 58.3327

Monochromacy



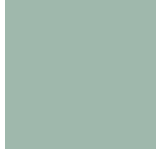
Original Color

36.7431, 48.8076, 43.5606



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

38.8850, 44.6305, 45.5948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7431, 48.8076, 43.5606 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(130, 200, 166)` looks like.

```
.text, #text, p{  
    color:rgb(130, 200, 166)  
}
```

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(130, 200, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 200, 166) }
```

Border

The CSS property to change the border of an element to XYZ 36.7431, 48.8076, 43.5606 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(130, 200, 166) }
```


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

```
.border{ border-color:rgb(130, 200, 166) }
```

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

Here you see how a box with a 4 pixel rgb(130, 200, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 200, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 200, 166);  
box-shadow:4px 4px 4px 4px rgb(130, 200,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7431, 48.8076, 43.5606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 200, 166) }
```

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

```
.background{ background-color: rgb(130,  
200, 166) }
```

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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