

Converting Colors

XYZ(48.9602, 68.3923, 53.9586)

Have a look what the booklet for
XYZ(48.9602, 68.3923, 53.9586)
contains.

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Color

**XYZ(48.9311, 68.3747,
53.7987)**

Conversions

Conversions Part 1

Format	Color
Hex	8DEBB4
RGB	141, 235, 180
RGB Percent	55%, 92%, 71%
CMY	0.4470, 0.0784, 0.2941
CMYK	0.40, 0.00, 0.23, 0.08
HSL	145°, 70%, 74%
HSV	145°, 40%, 92%
XYZ	48.9311, 68.3747, 53.7987
YIQ	200.6240, -38.3690, -37.0330

Conversions

Conversions Part 2

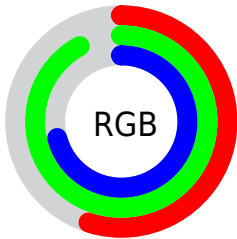
Format	Color
RYB	141, 207, 235
Decimal	9300916
CIELab	86.19, -39.76, 18.08
CIELCh	86, 43.678, 155.543
Yxy	68.3747, 0.2860, 0.3996
Android (android.graphics.Color)	4287490996 (0xFF8DEBB4)
YUV	200.6240, -10.1676, -52.2902
Hunter-Lab	82.6890, -39.0786, 19.3073

Details

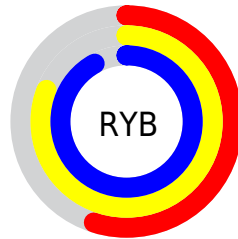
The XYZ color **48.9311, 68.3747, 53.7987** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **53.7520, 40.6991, 57.2500**, and the grayscale version is **55.3641, 58.2473, 63.4313**.

A 20% lighter version of the original color is **74.1890, 89.5819, 92.7377**, and **23.6972, 35.7038, 25.7212** is the 20% darker color. If you saturate the color by 10%, you get **44.0194, 65.9984, 46.6164**, and if you desaturate by 10%, it is **54.8333, 71.2493, 61.7558**.

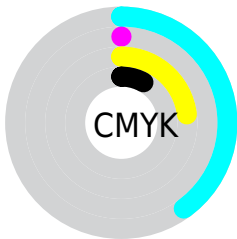
Distribution



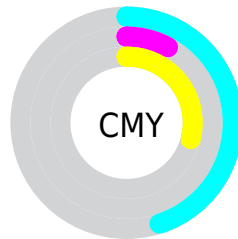
- Red (55%)
- Green (92%)
- Blue (71%)



- Red (55%)
- Yellow (81%)
- Blue (92%)



- Cyan (40%)
- Magenta (0%)
- Yellow (23%)
- Black (8%)





- Cyan (45%)
- Magenta (8%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9311, 68.3747, 53.7987 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 48.9311, 68.3747, 53.7987 by changing the saturation by 10% instead.

 48.9311, 68.3747,
53.7987


 48.9311, 68.3747,
53.7987


372.9925,
454.8225, 418.4948

 34.7791, 50.2026,
38.0487


 87.7905, 116.8880,
97.2320

 23.6585, 35.5744,
25.7183


 113.2286,
147.9981, 125.7524

 15.2039, 24.1057,
16.3892


143.1594,
184.1895, 159.3667

 9.0498, 15.4120,
9.6426

177.9484,
225.8469, 198.4933

 4.8311, 9.1091,
5.0602

217.9608,
273.3544, 243.5509

 2.1822, 4.8124,
2.2233

263.5621,

 0.7333, 2.1376,

327.0966, 294.9580

0.6877

315.1175,
387.4578, 353.1331

0.0000, 0.6857,
0.0000

0.0000, 0.0000,
0.0000

48.9311, 68.3747,
53.7987

48.9311, 68.3747,
53.7987

44.0194, 65.9984,
46.6164

54.8333, 71.2493,
61.7558

40.0345, 64.0824,
40.1804


61.7735, 74.6406,
70.5058

36.9137, 62.5968,
34.4674


69.8031, 78.5766,
80.0717


34.5836, 61.5042,
29.4507

78.9679, 83.0805,
90.4746

 32.9575, 60.7605,
25.1019

 88.0103, 87.5035,
101.6734

 31.8906, 60.2916,
21.3883

 88.9996, 87.8992,
106.8832

Harmonies

Analogous

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



54.3853, 68.3747, 37.8744



48.9311, 68.3747, 53.7987



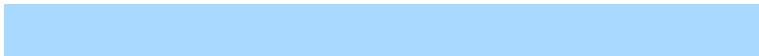
47.5829, 68.3747, 79.9258

Triad

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



48.9311, 68.3747, 53.7987



66.8735, 68.3747, 144.2704



82.0215, 68.3747, 46.6785

Complementary

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



48.9311, 68.3747, 53.7987



53.7520, 40.6991, 57.2500

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.



86.1914, 68.3747, 69.2272



48.9311, 68.3747, 53.7987



76.8865, 68.3747, 129.1960

Square

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



48.9311, 68.3747, 53.7987



57.3086, 68.3747, 137.0744



84.2218, 68.3747, 99.8030



73.3247, 68.3747, 34.5673

Rectangle

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



48.9311, 68.3747, 53.7987



49.0595, 68.3747, 100.9646



84.2218, 68.3747, 99.8030



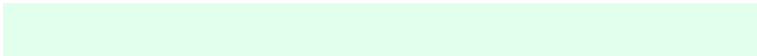
84.0378, 68.3747, 53.0359

Sweetspot

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



48.9329, 68.3775, 53.8002



81.9246, 93.5513, 93.9332



57.6493, 73.2673, 36.3037



17.2552, 19.8865, 19.7758



0.0000, 0.0000, 0.0000



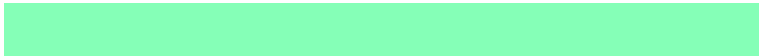
20.3446, 21.4041, 23.3091

Same Dimension

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



48.9329, 68.3775, 53.8002



53.9568, 79.9089, 57.5883



54.3677, 70.5514, 82.4194



15.1275, 16.9658, 17.3542



17.8080, 33.5777, 12.2197



1.4452, 2.6554, 1.2064

Inverse Universe

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



53.7520, 40.6991, 57.2500



60.4982, 42.2959, 62.2396



49.3251, 38.9284, 33.9386



15.4352, 15.2019, 17.5768



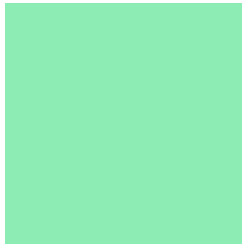
21.6660, 10.8691, 14.5742



1.7490, 0.8726, 1.3957

Previews

White Background



This preview shows how the XYZ color 48.9311, 68.3747, 53.7987 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 48.9311, 68.3747, 53.7987 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

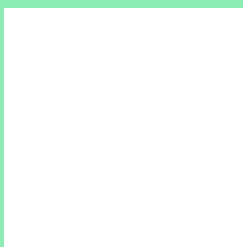
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.9311, 68.3747, 53.7987

Background



This preview shows how black text looks on a background with the XYZ color 48.9311, 68.3747, 53.7987.

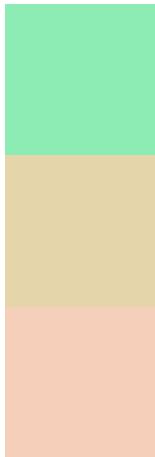


This preview shows how white text looks on a background with the XYZ color 48.9311, 68.3747,

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

48.9311, 68.3747, 53.7987

Protanopia

63.2972, 67.4894, 47.7208

Deuteranopia

68.8319, 67.5833, 55.8714



Tritanopia

57.3881, 68.0532, 96.4971

Trichromacy



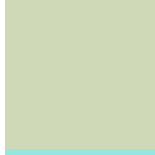
Original Color

48.9311, 68.3747, 53.7987



Protanomaly

56.5262, 67.0343, 50.0041



Deuteranomaly

59.1967, 66.3518, 55.0346



Tritanomaly

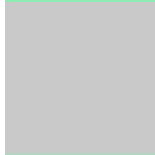
53.8330, 67.8384, 78.6634

Monochromacy



Original Color

48.9311, 68.3747, 53.7987



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

52.0103, 61.0225, 59.4894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9311, 68.3747, 53.7987 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(141, 235, 180)` looks like.

```
.text, #text, p{  
    color:rgb(141, 235, 180)  
}
```

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(141, 235, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 235, 180) }
```

Border

The CSS property to change the border of an element to XYZ 48.9311, 68.3747, 53.7987 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(141, 235, 180) }
```


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

```
.border{ border-color:rgb(141, 235, 180) }
```

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

Here you see how a box with a 4 pixel rgb(141, 235, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 235, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 235, 180);  
box-shadow:4px 4px 4px 4px rgb(141, 235,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9311, 68.3747, 53.7987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 235, 180) }
```

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

```
.background{ background-color: rgb(141,  
235, 180) }
```

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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