

Converting Colors

XYZ(48.5622, 64.1820, 50.3273)

Have a look what the booklet for
XYZ(48.5622, 64.1820, 50.3273)
contains.

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Color

**XYZ(48.5677, 64.1137,
50.3728)**

Conversions

Conversions Part 1

Format	Color
Hex	9DE1AF
RGB	157, 225, 175
RGB Percent	62%, 88%, 69%
CMY	0.3843, 0.1176, 0.3137
CMYK	0.30, 0.00, 0.22, 0.12
HSL	136°, 53%, 75%
HSV	136°, 30%, 88%
XYZ	48.5677, 64.1137, 50.3728
YIQ	198.9680, -24.4780, -29.9660

Conversions

Conversions Part 2

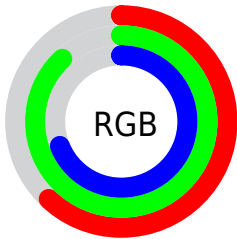
Format	Color
RYB	157, 211, 225
Decimal	10346927
CIELab	84.02, -31.41, 17.77
CIELCh	84, 36.087, 150.493
Yxy	64.1137, 0.2979, 0.3932
Android (android.graphics.Color)	4288537007 (0xFF9DE1AF)
YUV	198.9680, -11.8162, -36.8059
Hunter-Lab	80.0710, -31.8538, 18.7503

Details

The XYZ color **48.5677, 64.1137, 50.3728** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **54.3730, 44.6279, 64.7824**, and the grayscale version is **54.3486, 57.1790, 62.2679**.

A 20% lighter version of the original color is **77.6244, 91.4357, 89.1589**, and **23.2943, 32.6646, 23.4895** is the 20% darker color. If you saturate the color by 10%, you get **43.0490, 61.4469, 42.1460**, and if you desaturate by 10%, it is **55.0973, 67.2822, 59.6889**.

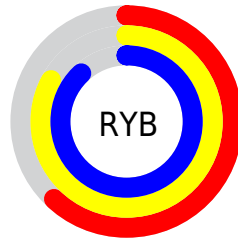
Distribution



Red (62%)

Green (88%)

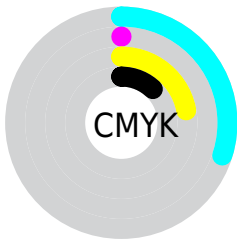
Blue (69%)



Red (62%)

Yellow (83%)

Blue (88%)

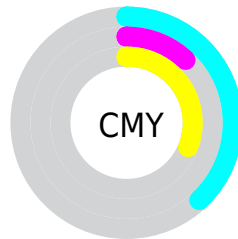


Cyan (30%)

Magenta (0%)

Yellow (22%)

Black (12%)



Cyan (38%)

Magenta (12%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5677, 64.1137, 50.3728 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 48.5677, 64.1137, 50.3728 by changing the saturation by 10% instead.


 48.5677, 64.1137,
50.3728


 48.5677, 64.1137,
50.3728

371.5832,
439.6001, 404.8988

 34.4898, 46.7428,
35.3364


 87.2536, 110.7747,
92.1290

 23.4348, 32.8324,
23.6365

 112.5924,
140.8335, 119.6859

 15.0373, 21.9980,
14.8545


142.4155,
175.8904, 152.2534

 8.9321, 13.8555,
8.5719

177.0882,
216.3298, 190.2500

 4.7537, 8.0202,
4.3700

216.9760,
262.5361, 234.0943

 2.1367, 4.1079,
1.8305

262.4442,

 0.7091, 1.7341,

314.8936, 284.2049

0.4479

313.8582,
373.7868, 341.0002

■ 0.0000, 0.4456,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.5677, 64.1137,
50.3728

■ 48.5677, 64.1137,
50.3728

■ 43.0490, 61.4469,
42.1460

■ 55.0973, 67.2822,
59.6889

■ 38.4845, 59.2481,
34.9645

■ 62.6806, 70.9684,
70.1279

■ 34.8197, 57.4917,
28.7874

■ 71.3639, 75.1970,
81.7270

■ 31.9920, 56.1465,
23.5695

■ 81.1895, 79.9893,
94.5206

■ 29.9307, 55.1771,
19.2620

■ 86.2165, 82.3329,
105.9555

■ 28.5526, 54.5416,
15.8119

■ 27.7305, 54.1745,
13.2093

Harmonies

Analogous

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



53.4987, 64.1137, 38.4467



48.5677, 64.1137, 50.3728



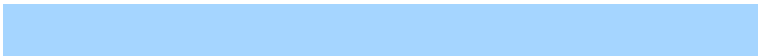
46.8820, 64.1137, 70.1865

Triad

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



48.5677, 64.1137, 50.3728



61.0698, 64.1137, 123.4391



75.0974, 64.1137, 49.8495

Complementary

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



48.5677, 64.1137, 50.3728



54.3730, 44.6279, 64.7824

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.



77.5557, 64.1137, 69.4327



48.5677, 64.1137, 50.3728



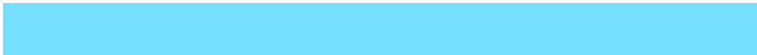
69.0371, 64.1137, 114.7889

Square

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



48.5677, 64.1137, 50.3728



53.7080, 64.1137, 115.3148



75.2487, 64.1137, 93.6941



68.7897, 64.1137, 38.1940

Rectangle

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



48.5677, 64.1137, 50.3728



47.6992, 64.1137, 86.3022



75.2487, 64.1137, 93.6941



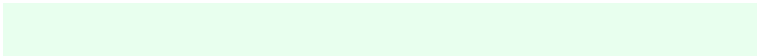
76.4246, 64.1137, 55.5635

Sweetspot

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



48.5694, 64.1164, 50.3742



84.5059, 94.8646, 94.8419



59.0259, 69.6977, 42.2409



17.7474, 20.1393, 19.8393



0.0000, 0.0000, 0.0000



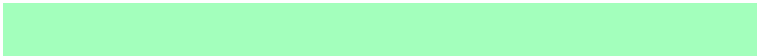
20.3446, 21.4041, 23.3091

Same Dimension

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



48.5694, 64.1164, 50.3742



59.9285, 82.9369, 60.1444



52.2170, 65.5754, 69.5822



13.6770, 15.3965, 15.3343



16.0201, 31.2329, 7.8287



1.1470, 2.1795, 0.7351

Inverse Universe

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



54.3730, 44.6279, 64.7824



68.7543, 53.2781, 82.0397



50.7502, 43.1788, 45.7050



14.1320, 13.8704, 16.4654



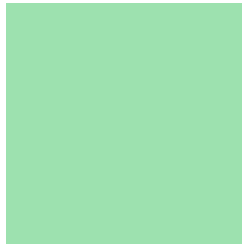
21.8807, 10.8193, 21.8352



1.5530, 0.7645, 1.7049

Previews

White Background



This preview shows how the XYZ color 48.5677, 64.1137, 50.3728 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 48.5677, 64.1137, 50.3728 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 48.5677, 64.1137, 50.3728

Background



This preview shows how black text looks on a background with the XYZ color 48.5677, 64.1137, 50.3728.



This preview shows how white text looks on a background with the XYZ color 48.5677, 64.1137,

50.3728.

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**

48.5677, 64.1137, 50.3728

Protanopia

59.6551, 63.4314, 45.6585

Deuteranopia

64.7215, 63.4193, 52.0100



Tritanopia

56.0263, 64.0012, 87.2425

Trichromacy



Original Color

48.5677, 64.1137, 50.3728



Protanomaly

54.5910, 63.0012, 47.3134



Deuteranomaly

57.3770, 62.8628, 51.2291



Tritanomaly

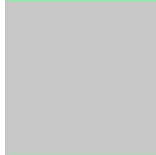
53.1205, 63.9898, 72.5023

Monochromacy



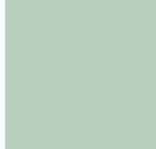
Original Color

48.5677, 64.1137, 50.3728



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

51.6173, 59.0198, 57.3866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5677, 64.1137, 50.3728 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(157, 225, 175)` looks like.

```
.text, #text, p{  
    color:rgb(157, 225, 175)  
}
```

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(157, 225, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 225, 175) }
```

Border

The CSS property to change the border of an element to XYZ 48.5677, 64.1137, 50.3728 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(157, 225, 175) }
```


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

```
.border{ border-color:rgb(157, 225, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 225, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 225, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 225, 175);  
box-shadow:4px 4px 4px 4px rgb(157, 225,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5677, 64.1137, 50.3728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 225, 175) }
```

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

```
.background{ background-color: rgb(157,  
225, 175) }
```

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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