

Converting Colors

XYZ(48.6822, 64.3345, 50.7233)

Have a look what the booklet for
XYZ(48.6822, 64.3345, 50.7233)
contains.

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Color

**XYZ(48.6663, 64.1531,
50.8921)**

Conversions

Conversions Part 1

Format	Color
Hex	9DE1B0
RGB	157, 225, 176
RGB Percent	62%, 88%, 69%
CMY	0.3843, 0.1176, 0.3098
CMYK	0.30, 0.00, 0.22, 0.12
HSL	137°, 53%, 75%
HSV	137°, 30%, 88%
XYZ	48.6663, 64.1531, 50.8921
YIQ	199.0820, -24.7990, -29.6550

Conversions

Conversions Part 2

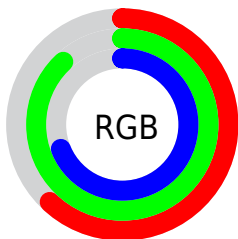
Format	Color
RYB	157, 210, 225
Decimal	10346928
CIELab	84.05, -31.22, 17.28
CIELCh	84, 35.687, 151.040
Yxy	64.1531, 0.2973, 0.3919
Android (android.graphics.Color)	4288537008 (0xFF9DE1B0)
YUV	199.0820, -11.3794, -36.9059
Hunter-Lab	80.0956, -31.7103, 18.3946

Details

The XYZ color **48.6663, 64.1531, 50.8921** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **54.2510, 44.5791, 64.1404**, and the grayscale version is **54.4160, 57.2498, 62.3451**.

A 20% lighter version of the original color is **77.7661, 91.4923, 89.9050**, and **23.3566, 32.6896, 23.8176** is the 20% darker color. If you saturate the color by 10%, you get **43.1647, 61.4931, 42.7550**, and if you desaturate by 10%, it is **55.1714, 67.3118, 60.0792**.

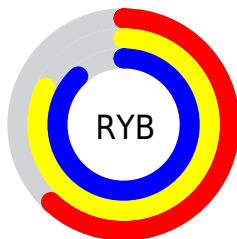
Distribution



Red (62%)

Green (88%)

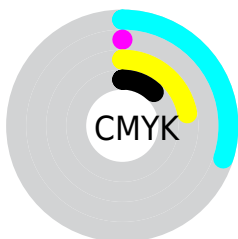
Blue (69%)



Red (62%)

Yellow (82%)

Blue (88%)

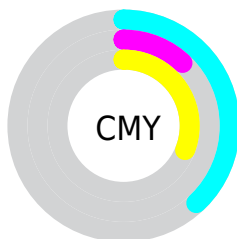


Cyan (30%)

Magenta (0%)

Yellow (22%)

Black (12%)



Cyan (38%)


Magenta (12%)


Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6663, 64.1531, 50.8921 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 48.6663, 64.1531, 50.8921 by changing the saturation by 10% instead.


 48.6663, 64.1531,
50.8921


 48.6663, 64.1531,
50.8921


371.9659,
439.7423, 406.9790

 34.5683, 46.7747,
35.7466


 87.3993, 110.8314,
92.9051

 23.4955, 32.8576,
23.9504


 112.7651,
140.9001, 120.6097

 15.0825, 22.0174,
15.0850


142.6174,
175.9676, 153.3378

 8.9640, 13.8697,
8.7318

177.3218,
216.4184, 191.5079

 4.7746, 8.0301,
4.4722

217.2434,
262.6369, 235.5385

 2.1490, 4.1142,
1.8878

262.7478,

 0.7157, 1.7376,

315.0075, 285.8482

0.4850

314.2001,
373.9145, 342.8555

■ 0.0000, 0.4479,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.6663, 64.1531,
50.8921

■ 48.6663, 64.1531,
50.8921

■ 43.1647, 61.4931,
42.7550

■ 55.1714, 67.3118,
60.0792

■ 38.6102, 59.2983,
35.6261

■ 62.7223, 70.9850,
70.3475

■ 34.9488, 57.5433,
29.4672

■ 71.3649, 75.1974,
81.7323

■ 32.1185, 56.1971,
24.2358

■ 81.1411, 79.9699,
94.2660

■ 30.0493, 55.2245,
19.8863

■ 86.2164, 82.3329,
105.9555

■ 28.6584, 54.5839,
16.3691

■ 27.8199, 54.2103,
13.6806

Harmonies

Analogous

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



53.4982, 64.1531, 38.9009



48.6663, 64.1531, 50.8921



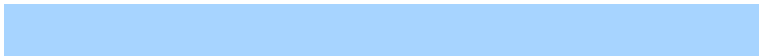
47.0578, 64.1531, 70.6414

Triad

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



48.6663, 64.1531, 50.8921



61.2507, 64.1531, 122.7840



74.8875, 64.1531, 49.7969

Complementary

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



48.6663, 64.1531, 50.8921



54.2510, 44.5791, 64.1404

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.



77.3981, 64.1531, 69.0681



48.6663, 64.1531, 50.8921



69.1191, 64.1531, 113.9723

Square

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



48.6663, 64.1531, 50.8921



53.9354, 64.1531, 115.0660



75.2030, 64.1531, 93.0174



68.6032, 64.1531, 38.3708

Rectangle

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



48.6663, 64.1531, 50.8921



47.9099, 64.1531, 86.6014



75.2030, 64.1531, 93.0174



76.2239, 64.1531, 55.4144

Sweetspot

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



48.6680, 64.1558, 50.8935



84.5556, 94.8844, 95.1035



58.7083, 69.5340, 42.2261



17.7595, 20.1442, 19.9034



0.0000, 0.0000, 0.0000



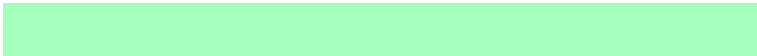
20.3446, 21.4041, 23.3091

Same Dimension

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



48.6680, 64.1558, 50.8935



60.0742, 82.9952, 60.9119



52.3570, 65.6314, 70.3193



13.6854, 15.3999, 15.3785



16.0733, 31.2542, 8.1091



1.1516, 2.1814, 0.7595

Inverse Universe

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



54.2510, 44.5791, 64.1404



68.5646, 53.2022, 81.0409



50.6401, 43.1348, 45.1255



14.1231, 13.8669, 16.4186



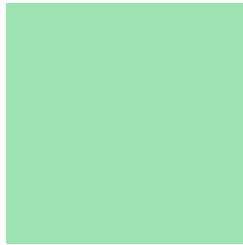
21.7102, 10.7511, 20.9374



1.5423, 0.7602, 1.6488

Previews

White Background



This preview shows how the XYZ color 48.6663, 64.1531, 50.8921 looks on a white background.

Color Contrast Check

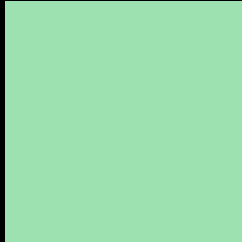
Large Text (above 18pt) WCAG AA × Fail

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 48.6663, 64.1531, 50.8921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

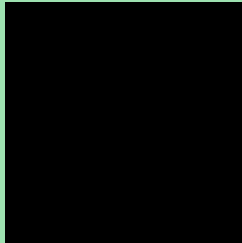
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.6663, 64.1531, 50.8921

Background



This preview shows how black text looks on a background with the XYZ color 48.6663, 64.1531, 50.8921.

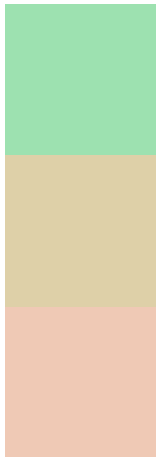


This preview shows how white text looks on a background with the XYZ color 48.6663, 64.1531,

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

48.6663, 64.1531, 50.8921

Protanopia

59.7480, 63.4685, 46.1474

Deuteranopia

64.8237, 63.4602, 52.5485



Tritanopia

55.8126, 63.8911, 87.2325

Trichromacy



Original Color

48.6663, 64.1531, 50.8921



Protanomaly

54.6860, 63.0392, 47.8136



Deuteranomaly

57.4778, 62.9032, 51.7599



Tritanomaly

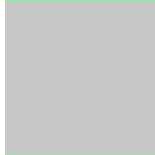
52.9133, 63.8830, 72.4926

Monochromacy



Original Color

48.6663, 64.1531, 50.8921



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

51.7270, 59.0637, 57.9643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6663, 64.1531, 50.8921 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(157, 225, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 225, 176) }
```

Border

The CSS property to change the border of an element to XYZ 48.6663, 64.1531, 50.8921 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, 176) }
```


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

```
.border{ border-color:rgb(157, 225, 176) }
```

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, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 225, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 225, 176);  
box-shadow:4px 4px 4px 4px rgb(157, 225,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6663, 64.1531, 50.8921 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, 176) }
```

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

```
.background{ background-color: rgb(157,  
225, 176) }
```

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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