

Converting Colors

XYZ(48.5409, 65.0238, 45.5981)

Have a look what the booklet for
XYZ(48.5409, 65.0238, 45.5981)
contains.

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Color

**XYZ(48.5587, 65.0257,
45.5892)**

Conversions

Conversions Part 1

Format	Color
Hex	9FE3A5
RGB	159, 227, 165
RGB Percent	62%, 89%, 65%
CMY	0.3765, 0.1098, 0.3529
CMYK	0.30, 0.00, 0.27, 0.11
HSL	125°, 55%, 76%
HSV	125°, 30%, 89%
XYZ	48.5587, 65.0257, 45.5892
YIQ	199.6000, -20.6260, -33.6980

Conversions

Conversions Part 2

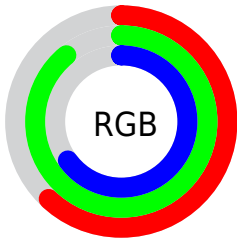
Format	Color
RYB	159, 221, 227
Decimal	10478501
CIELab	84.50, -33.47, 23.65
CIELCh	84, 40.978, 144.754
Yxy	65.0257, 0.3051, 0.4085
Android (android.graphics.Color)	4288668581 (0xFF9FE3A5)
YUV	199.6000, -17.0578, -35.6062
Hunter-Lab	80.6385, -33.6287, 22.9272

Details

The XYZ color **48.5587, 65.0257, 45.5892** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **57.1300, 46.3490, 74.3445**, and the grayscale version is **54.7657, 57.6178, 62.7458**.

A 20% lighter version of the original color is **76.7026, 91.1344, 81.2582**, and **23.3692, 33.3213, 20.8228** is the 20% darker color. If you saturate the color by 10%, you get **42.7300, 62.2231, 36.2660**, and if you desaturate by 10%, it is **55.5224, 68.3819, 56.5597**.

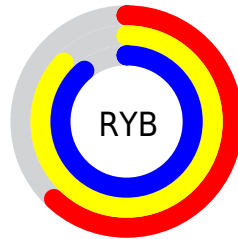
Distribution



Red (62%)

Green (89%)

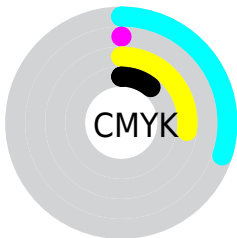
Blue (65%)



Red (62%)

Yellow (87%)

Blue (89%)

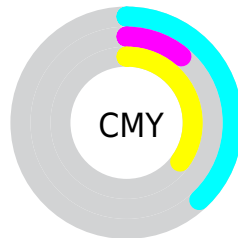


Cyan (30%)

Magenta (0%)

Yellow (27%)

Black (11%)



Cyan (38%)


Magenta (11%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5587, 65.0257, 45.5892 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 48.5587, 65.0257, 45.5892 by changing the saturation by 10% instead.


 48.5587, 65.0257,
45.5892


 48.5587, 65.0257,
45.5892


371.5483,
442.8843, 385.3841

 34.4826, 47.4819,
31.5755


 87.2403, 112.0868,
84.9317

 23.4293, 33.4168,
20.7753


 112.5766,
142.3729, 111.0975

 15.0332, 22.4459,
12.7702


142.3970,
177.6753, 142.1510

 8.9292, 14.1849,
7.1416

177.0669,
218.3782, 178.5109

 4.7518, 8.2494,
3.4711

216.9516,
264.8662, 220.5956

 2.1356, 4.2549,
1.3399

262.4165,

 0.7085, 1.8172,

317.5237, 268.8236

0.0942

313.8269,
376.7349, 323.6136

0.0000, 0.4978,
0.0000

0.0000, 0.0000,
0.0000

48.5587, 65.0257,
45.5892

48.5587, 65.0257,
45.5892

42.7300, 62.2231,
36.2660

55.5224, 68.3819,
56.5597

37.9712, 59.9367,
28.5065

63.6714, 72.3105,
69.2470

34.2185, 58.1372,
22.2264

73.0594, 76.8395,
83.7220

31.3993, 56.7893,
17.3317

83.7351, 81.9927,
100.0502

■ 29.4309, 55.8525,
13.7175

■ 86.7603, 83.4207,
106.1368

■ 28.2162, 55.2793,
11.2641

■ 27.5989, 54.9923,
9.8274

■ 27.5969, 54.9913,
9.8232

Harmonies

Analogous

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



54.7478, 65.0257, 34.2802



48.5587, 65.0257, 45.5892



45.9323, 65.0257, 66.3072

Triad

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



48.5587, 65.0257, 45.5892



60.2150, 65.0257, 133.5297



79.1408, 65.0257, 51.7827

Complementary

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



48.5587, 65.0257, 45.5892



57.1300, 46.3490, 74.3445

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.



80.9684, 65.0257, 75.4953



48.5587, 65.0257, 45.5892



69.4439, 65.0257, 126.9178

Square

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



48.5587, 65.0257, 45.5892



52.2253, 65.0257, 120.2595



77.2646, 65.0257, 103.9276



72.4898, 65.0257, 37.1911

Rectangle

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



48.5587, 65.0257, 45.5892



46.3477, 65.0257, 84.3802



77.2646, 65.0257, 103.9276



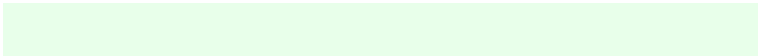
80.3655, 65.0257, 58.7645

Sweetspot

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



48.5604, 65.0284, 45.5906



83.9170, 94.6290, 91.7409



63.6502, 72.8691, 43.5119



17.6034, 20.0817, 19.0814



0.0000, 0.0000, 0.0000



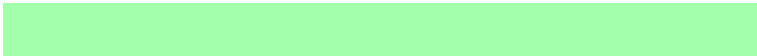
20.3446, 21.4041, 23.3091

Same Dimension

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



48.5604, 65.0284, 45.5906



58.2846, 82.2794, 51.4881



52.0392, 66.4200, 63.9097



14.2407, 16.1097, 15.5323



16.1117, 32.0768, 5.8228



1.2085, 2.3775, 0.5244

Inverse Universe

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



57.1300, 46.3490, 74.3445



71.1457, 54.2347, 94.6328



53.0840, 44.7306, 53.0386



14.9374, 14.5921, 17.8706



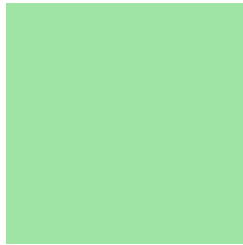
25.0634, 12.1596, 35.5585



1.8683, 0.9050, 2.7129

Previews

White Background



This preview shows how the XYZ color 48.5587, 65.0257, 45.5892 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 48.5587, 65.0257, 45.5892 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 48.5587, 65.0257, 45.5892

Background



This preview shows how black text looks on a background with the XYZ color 48.5587, 65.0257, 45.5892.



This preview shows how white text looks on a background with the XYZ color 48.5587, 65.0257,

45.5892.

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

48.5587, 65.0257, 45.5892

Protanopia

60.1837, 64.5351, 41.1828

Deuteranopia

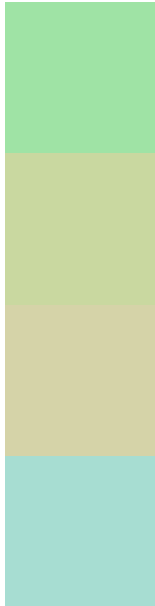
65.6845, 64.3764, 46.9942



Tritanopia

57.0801, 64.9116, 88.1180

Trichromacy



Original Color

48.5587, 65.0257, 45.5892

Protanomaly

54.9884, 64.0673, 42.7257

Deuteranomaly

57.8027, 63.5618, 46.2679

Tritanomaly

53.4257, 64.5815, 70.6224

Monochromacy



Original Color

48.5587, 65.0257, 45.5892

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

52.0238, 59.9953, 55.8520

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5587, 65.0257, 45.5892 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(159, 227, 165)` looks like.

```
.text, #text, p{  
    color:rgb(159, 227, 165)  
}
```

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(159, 227, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 227, 165) }
```

Border

The CSS property to change the border of an element to XYZ 48.5587, 65.0257, 45.5892 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(159, 227, 165) }
```


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

```
.border{ border-color:rgb(159, 227, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 227, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 227, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 227, 165);  
box-shadow:4px 4px 4px 4px rgb(159, 227,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5587, 65.0257, 45.5892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 227, 165) }
```

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

```
.background{ background-color: rgb(159,  
227, 165) }
```

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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