

Converting Colors

XYZ(49.3763, 65.8533, 47.3659)

Have a look what the booklet for
XYZ(49.3763, 65.8533, 47.3659)
contains.

XYZ(49.3085, 65.7875, 47.1452)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.3085, 65.7875,
47.1452)**

Conversions

Conversions Part 1

Format	Color
Hex	A0E4A8
RGB	160, 228, 168
RGB Percent	63%, 89%, 66%
CMY	0.3725, 0.1059, 0.3412
CMYK	0.30, 0.00, 0.26, 0.11
HSL	127°, 56%, 76%
HSV	127°, 30%, 89%
XYZ	49.3085, 65.7875, 47.1452
YIQ	200.8280, -21.2680, -33.0760

Conversions

Conversions Part 2

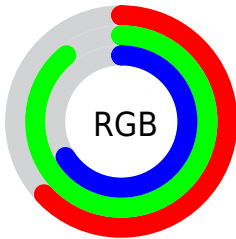
Format	Color
RYB	160, 221, 228
Decimal	10544296
CIELab	84.89, -33.10, 22.64
CIELCh	85, 40.105, 145.633
Yxy	65.7875, 0.3039, 0.4055
Android (android.graphics.Color)	4288734376 (0xFFA0E4A8)
YUV	200.8280, -16.1842, -35.8062
Hunter-Lab	81.1095, -33.4270, 22.3141

Details

The XYZ color **49.3085, 65.7875, 47.1452** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **57.4862, 46.8044, 73.7172**, and the grayscale version is **55.5187, 58.4100, 63.6085**.

A 20% lighter version of the original color is **77.3982, 91.4466, 83.3837**, and **23.8488, 33.8302, 21.7959** is the 20% darker color. If you saturate the color by 10%, you get **43.4303, 62.9591, 37.8322**, and if you desaturate by 10%, it is **56.3161, 69.1683, 58.0275**.

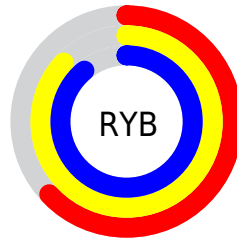
Distribution



Red (63%)

Green (89%)

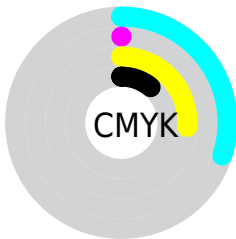
Blue (66%)



Red (63%)

Yellow (87%)

Blue (89%)

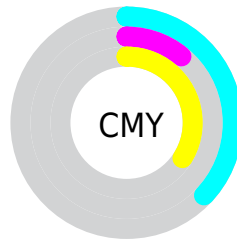


Cyan (30%)

Magenta (0%)

Yellow (26%)

Black (11%)



Cyan (37%)


Magenta (11%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3085, 65.7875, 47.1452 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 49.3085, 65.7875, 47.1452 by changing the saturation by 10% instead.

 49.3085, 65.7875,
47.1452


 49.3085, 65.7875,
47.1452


374.4524,
445.6165, 391.8043

 35.0798, 48.0999,
32.7953


 88.3474, 113.1813,
87.2826

 23.8912, 33.9060,
21.6998


 113.8884,
143.6563, 113.9071

 15.3772, 22.8214,
13.4403


143.9308,
179.1625, 145.4603

 9.1726, 14.4617,
7.5982

178.8401,
220.0844, 182.3606

 4.9119, 8.4425,
3.7549

218.9815,
266.8064, 225.0266

 2.2299, 4.3794,
1.4918

264.7205,

 0.7584, 1.8880,

319.7128, 273.8769

0.2118

316.4223,
379.1880, 329.3300

■ 0.0000, 0.5411,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.3085, 65.7875,
47.1452

■ 49.3085, 65.7875,
47.1452

■ 43.4303, 62.9591,
37.8322

■ 56.3161, 69.1683,
58.0275

■ 38.6172, 60.6460,
30.0120

■ 64.5025, 73.1201,
70.5421

■ 34.8065, 58.8193,
23.6081

■ 73.9206, 77.6705,
84.7540

■ 31.9268, 57.4440,
18.5359

■ 84.6185, 82.8431,
100.7234

■ 29.8969, 56.4803,
14.7013

■ 87.0347, 83.9693,
106.2282

■ 28.6216, 55.8814,
11.9982

■ 27.9495, 55.5718,
10.3010

■ 27.9405, 55.5676,
10.2793

Harmonies

Analogous

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



55.3397, 65.7875, 35.6037



49.3085, 65.7875, 47.1452



46.8169, 65.7875, 67.9244

Triad

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



49.3085, 65.7875, 47.1452



61.2209, 65.7875, 133.2606



79.4593, 65.7875, 52.2645

Complementary

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



49.3085, 65.7875, 47.1452



57.4862, 46.8044, 73.7172

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.



81.4136, 65.7875, 75.4709



49.3085, 65.7875, 47.1452



70.3156, 65.7875, 126.2300

Square

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



49.3085, 65.7875, 47.1452



53.2629, 65.7875, 120.8052



77.9237, 65.7875, 103.3977



72.8120, 65.7875, 38.0239

Rectangle

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



49.3085, 65.7875, 47.1452



47.3048, 65.7875, 85.8292



77.9237, 65.7875, 103.3977



80.7125, 65.7875, 59.0926

Sweetspot

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



49.3102, 65.7903, 47.1467



84.0142, 94.6679, 92.2528



63.6266, 73.2541, 44.0444



17.6272, 20.0912, 19.2063



0.0000, 0.0000, 0.0000



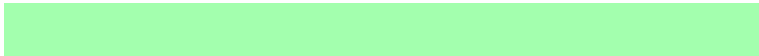
20.3446, 21.4041, 23.3091

Same Dimension

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



49.3102, 65.7903, 47.1467



58.5453, 82.3837, 52.8605



52.8953, 67.2243, 66.0255



14.2579, 16.1166, 15.6231



16.1554, 32.0943, 6.0528



1.2167, 2.3808, 0.5677

Inverse Universe

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



57.4862, 46.8044, 73.7172



70.7322, 54.0693, 92.4554



53.4377, 45.1850, 52.3981



14.9183, 14.5845, 17.7699



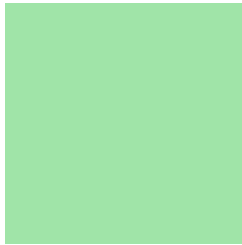
24.6036, 11.9757, 33.1371



1.8389, 0.8933, 2.5581

Previews

White Background



This preview shows how the XYZ color 49.3085, 65.7875, 47.1452 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 49.3085, 65.7875, 47.1452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

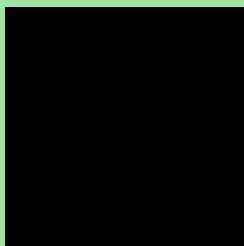
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

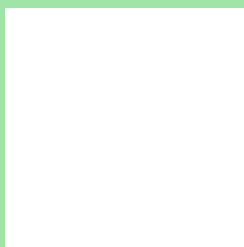
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.3085, 65.7875, 47.1452

Background



This preview shows how black text looks on a background with the XYZ color 49.3085, 65.7875, 47.1452.



This preview shows how white text looks on a background with the XYZ color 49.3085, 65.7875,

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

49.3085, 65.7875, 47.1452

Protanopia

61.0035, 65.2953, 42.6457

Deuteranopia

66.5549, 65.1415, 48.6009



Tritanopia

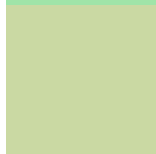
57.8512, 65.6617, 89.7457

Trichromacy



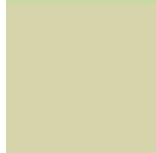
Original Color

49.3085, 65.7875, 47.1452



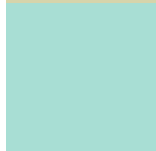
Protanomaly

55.7808, 64.8266, 44.2232



Deuteranomaly

58.6257, 64.3234, 47.8538



Tritanomaly

54.1534, 65.3208, 72.0414

Monochromacy



Original Color

49.3085, 65.7875, 47.1452



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

52.7293, 60.7018, 57.0816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3085, 65.7875, 47.1452 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(160, 228, 168)` looks like.

```
.text, #text, p{  
    color:rgb(160, 228, 168)  
}
```

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(160, 228, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 228, 168) }
```

Border

The CSS property to change the border of an element to XYZ 49.3085, 65.7875, 47.1452 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(160, 228, 168) }
```


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

```
.border{ border-color:rgb(160, 228, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 228, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 228, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 228, 168);  
box-shadow:4px 4px 4px 4px rgb(160, 228,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3085, 65.7875, 47.1452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 228, 168) }
```

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

```
.background{ background-color: rgb(160,  
228, 168) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor