

Converting Colors

XYZ(51.8423, 65.6164, 54.6749)

Have a look what the booklet for
XYZ(51.8423, 65.6164, 54.6749)
contains.

XYZ(51.8346, 65.7043, 54.7500)	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(51.8346, 65.7043,
54.7500)**

Conversions

Conversions Part 1

Format	Color
Hex	A9E1B7
RGB	169, 225, 183
RGB Percent	66%, 88%, 72%
CMY	0.3372, 0.1176, 0.2823
CMYK	0.25, 0.00, 0.19, 0.12
HSL	135°, 48%, 77%
HSV	135°, 25%, 88%
XYZ	51.8346, 65.7043, 54.7500
YIQ	203.4680, -19.8940, -24.9340

Conversions

Conversions Part 2

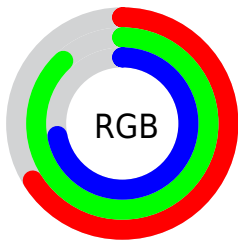
Format	Color
R _Y B	169, 214, 225
Decimal	11133367
CIE Lab	84.85, -26.17, 14.83
CIE LCh	85, 30.084, 150.461
Yxy	65.7043, 0.3009, 0.3814
Android (android.graphics.Color)	4289323447 (0xFFA9E1B7)
YUV	203.4680, -10.0907, -30.2284
Hunter-Lab	81.0582, -27.7057, 16.6939

Details

The XYZ color **51.8346, 65.7043, 54.7500** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **56.9994, 49.0881, 68.1014**, and the grayscale version is **57.1309, 60.1061, 65.4556**.

A 20% lighter version of the original color is **82.3913, 93.7595, 95.4163**, and **25.4197, 33.7006, 26.2842** is the 20% darker color. If you saturate the color by 10%, you get **45.7643, 62.7677, 45.8406**, and if you desaturate by 10%, it is **58.9497, 69.1589, 64.8105**.

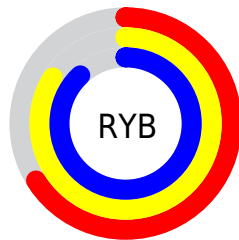
Distribution



Red (66%)

Green (88%)

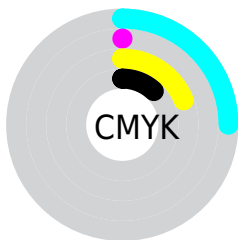
Blue (72%)



Red (66%)

Yellow (84%)

Blue (88%)

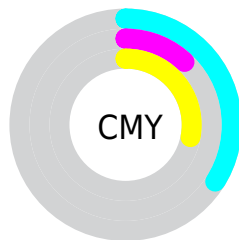


Cyan (25%)

Magenta (0%)

Yellow (19%)

Black (12%)



Cyan (34%)


Magenta (12%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8346, 65.7043, 54.7500 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 51.8346, 65.7043, 54.7500 by changing the saturation by 10% instead.

 51.8346, 65.7043,
54.7500

 51.8346, 65.7043,
54.7500


384.1322,
445.3186, 422.2188

 37.0970, 48.0324,
38.8044


 92.0629, 113.0618,
98.6420

 25.4566, 33.8525,
26.3009


118.2844,
143.5162, 127.4255

 16.5481, 22.7803,
16.8211


149.0645,
179.0003, 161.3254

 10.0061, 14.4314,
9.9464

184.7686,
219.8983, 200.7601

 5.4653, 8.4213,
5.2583

225.7620,
266.5948, 246.1482

 2.5603, 4.3657,
2.3382

272.4102,

 0.9258, 1.8802,

319.4741, 297.9084

0.7525

325.0785,
378.9205, 356.4591

0.0000, 0.5364,
0.0000

0.0000, 0.0000,
0.0000

51.8346, 65.7043,
54.7500

51.8346, 65.7043,
54.7500

45.7643, 62.7677,
45.8406

58.9497, 69.1589,
64.8105

40.6836, 60.3160,
38.0369

67.1509, 73.1463,
76.0566

36.5401, 58.3248,
31.2968

76.4836, 77.6911,
88.5269

33.2742, 56.7645,
25.5739

85.5009, 82.0467,
102.1873

■ 30.8196, 55.6018,
20.8184

■ 86.2165, 82.3329,
105.9555

■ 29.0996, 54.7984,
16.9762

■ 28.0216, 54.3077,
13.9874

■ 27.6464, 54.1409,
12.7667

Harmonies

Analogous

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



56.1046, 65.7043, 44.0681



51.8346, 65.7043, 54.7500



50.3606, 65.7043, 71.8399

Triad

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



51.8346, 65.7043, 54.7500



62.5543, 65.7043, 115.4697



74.3067, 65.7043, 54.3184

Complementary

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



51.8346, 65.7043, 54.7500



56.9994, 49.0881, 68.1014

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.



76.3340, 65.7043, 71.2426



51.8346, 65.7043, 54.7500



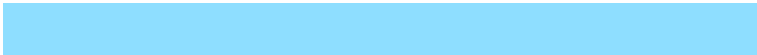
69.2566, 65.7043, 108.5614

Square

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



51.8346, 65.7043, 54.7500



56.2729, 65.7043, 108.9562



74.4239, 65.7043, 91.4551



69.0633, 65.7043, 43.8523

Rectangle

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



51.8346, 65.7043, 54.7500



51.0723, 65.7043, 85.3228



74.4239, 65.7043, 91.4551



75.4031, 65.7043, 59.3291

Sweetspot

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



51.8364, 65.7071, 54.7515



86.7040, 95.9379, 97.6476



61.2213, 70.7053, 47.9575



18.4117, 20.4634, 20.7010



0.0000, 0.0000, 0.0000



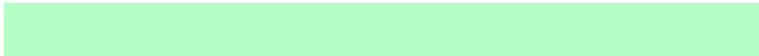
20.3446, 21.4041, 23.3091

Same Dimension

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



51.8364, 65.7071, 54.7515



64.3848, 85.1042, 66.2327



54.9306, 66.9447, 71.0452



13.6686, 15.3932, 15.2903



15.9699, 31.2128, 7.5646



1.1425, 2.1777, 0.7116

Inverse Universe

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



56.9994, 49.0881, 68.1014



72.3823, 59.3490, 86.9025



53.8860, 47.8427, 51.7064



14.1409, 13.8740, 16.5124



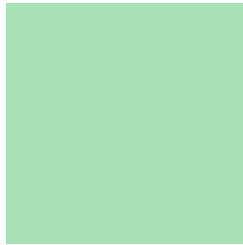
22.0555, 10.8892, 22.7560



1.5639, 0.7688, 1.7622

Previews

White Background



This preview shows how the XYZ color 51.8346, 65.7043, 54.7500 looks on a white background.

Color Contrast Check

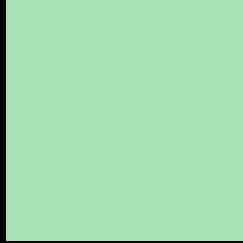
Large Text (above 18pt) WCAG AA × Fail

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 51.8346, 65.7043, 54.7500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

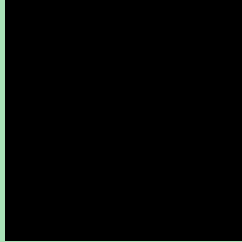
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.8346, 65.7043, 54.7500

Background



This preview shows how black text looks on a background with the XYZ color 51.8346, 65.7043, 54.7500.



This preview shows how white text looks on a background with the XYZ color 51.8346, 65.7043,

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

51.8346, 65.7043, 54.7500

Protanopia

61.5622, 65.4111, 50.4552

Deuteranopia

66.2608, 64.8250, 56.0339



Tritanopia

58.6572, 65.7247, 88.1918

Trichromacy



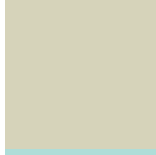
Original Color

51.8346, 65.7043, 54.7500



Protanomaly

57.3212, 65.0629, 52.1851



Deuteranomaly

59.8887, 64.4298, 55.7341



Tritanomaly

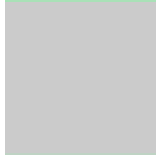
55.9303, 65.7847, 74.7156

Monochromacy



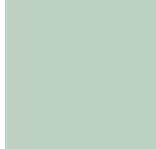
Original Color

51.8346, 65.7043, 54.7500



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

54.7439, 61.6504, 61.2390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8346, 65.7043, 54.7500 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(169, 225, 183)` looks like.

```
.text, #text, p{  
    color:rgb(169, 225, 183)  
}
```

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(169, 225, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 225, 183) }
```

Border

The CSS property to change the border of an element to XYZ 51.8346, 65.7043, 54.7500 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(169, 225, 183) }
```


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

```
.border{ border-color:rgb(169, 225, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 225, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 225, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 225, 183);  
box-shadow:4px 4px 4px 4px rgb(169, 225,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8346, 65.7043, 54.7500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 225, 183) }
```

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

```
.background{ background-color: rgb(169,  
225, 183) }
```

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