

Converting Colors

XYZ(42.5823, 51.8350, 42.4410)

Have a look what the booklet for
XYZ(42.5823, 51.8350, 42.4410)
contains.

XYZ(42.5750, 51.8454, 42.4136)	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(42.5750, 51.8454,
42.4136)**

Conversions

Conversions Part 1

Format	Color
Hex	A4C8A3
RGB	164, 200, 163
RGB Percent	64%, 78%, 64%
CMY	0.3569, 0.2157, 0.3608
CMYK	0.18, 0.00, 0.19, 0.22
HSL	118°, 25%, 71%
HSV	118°, 19%, 78%
XYZ	42.5750, 51.8454, 42.4136
YIQ	185.0180, -9.5790, -19.1390

Conversions

Conversions Part 2

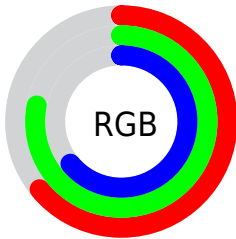
Format	Color
RYB	163, 200, 199
Decimal	10799267
CIELab	77.19, -19.11, 14.60
CIELCh	77, 24.048, 142.605
Yxy	51.8454, 0.3111, 0.3789
Android (android.graphics.Color)	4288989347 (0xFFA4C8A3)
YUV	185.0180, -10.8549, -18.4328
Hunter-Lab	72.0037, -20.4615, 15.4780

Details

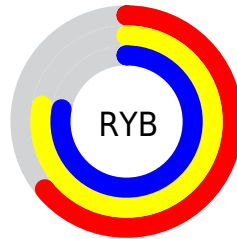
The XYZ color **42.5750, 51.8454, 42.4136** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.0778, 42.5081, 60.3699**, and the grayscale version is **46.1876, 48.5929, 52.9177**.

A 20% lighter version of the original color is **77.6283, 91.6420, 79.9269**, and **19.8302, 25.1502, 18.8482** is the 20% darker color. If you saturate the color by 10%, you get **37.2096, 49.2719, 33.5364**, and if you desaturate by 10%, it is **48.8411, 54.8535, 52.8145**.

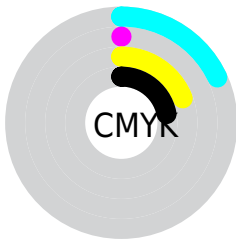
Distribution



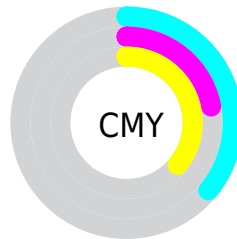
- Red (64%)
- Green (78%)
- Blue (64%)



- Red (64%)
- Yellow (78%)
- Blue (78%)



- Cyan (18%)
- Magenta (0%)
- Yellow (19%)
- Black (22%)





- Cyan (36%)
- Magenta (22%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5750, 51.8454, 42.4136 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 42.5750, 51.8454, 42.4136 by changing the saturation by 10% instead.


 42.5750, 51.8454,
42.4136


 42.5750, 51.8454,
42.4136


347.8122,
393.8395, 372.0447

 29.7449, 36.8819,
29.0973


 78.3288, 92.9032,
80.1020

 19.7921, 25.1160,
18.9082

 101.9833,
119.7662, 105.3113

 12.3514, 16.1635,
11.4278


129.9765,
151.3646, 135.3219

 7.0574, 9.6399,
6.2376

162.6739,
188.0826, 170.5524

 3.5447, 5.1609,
2.9190

200.4408,
230.3047, 211.4215

 1.4479, 2.3420,
1.0534

243.6426,

 0.2900, 0.7958,

278.4153, 258.3475

0.0000

292.6446,
332.7988, 311.7491

■ 0.0000, 0.0000,
0.0000

■ 42.5750, 51.8454,
42.4136

■ 42.5750, 51.8454,
42.4136

■ 37.2096, 49.2719,
33.5364

■ 48.8411, 54.8535,
52.8145

■ 32.6997, 47.1067,
26.1082

■ 56.0424, 58.3080,
64.8024

■ 29.0023, 45.3308,
20.0532

■ 64.2163, 62.2284,
78.4409

■ 26.0691, 43.9211,
15.2873

■ 73.3972, 66.6312,
93.7894

■ 23.8467, 42.8522,
11.7170

■ 79.9453, 69.7906,
103.8651

■ 22.2747, 42.0950,
9.2366

■ 21.2828, 41.6162,
7.7216

■ 20.7758, 41.3708,
6.9765

■ 20.7229, 41.3454,
6.8883

Harmonies

Analogous

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



45.9532, 51.8454, 36.1346



42.5750, 51.8454, 42.4136



41.0111, 51.8454, 53.2506

Triad

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



42.5750, 51.8454, 42.4136



48.1470, 51.8454, 85.5038



57.9083, 51.8454, 47.2576

Complementary

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



42.5750, 51.8454, 42.4136



47.0778, 42.5081, 60.3699

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.



58.5861, 51.8454, 59.7768



42.5750, 51.8454, 42.4136



52.7584, 51.8454, 83.2340

Square

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



42.5750, 51.8454, 42.4136



44.0954, 51.8454, 79.0786



56.6489, 51.8454, 73.2867



54.8505, 51.8454, 38.6124

Rectangle

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



42.5750, 51.8454, 42.4136



41.1348, 51.8454, 62.1650



56.6489, 51.8454, 73.2867



58.4295, 51.8454, 51.0980

Sweetspot

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



42.5764, 51.8476, 42.4147



87.4173, 96.3385, 96.1924



50.8023, 55.6659, 42.7182



18.5409, 20.5389, 20.3064



0.0000, 0.0000, 0.0000



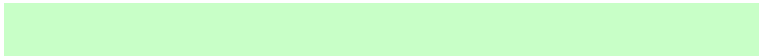
20.3446, 21.4041, 23.3091

Same Dimension

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



42.5764, 51.8476, 42.4147



69.9877, 87.9755, 67.2642



44.0256, 52.4036, 51.1187



10.5235, 11.9013, 11.3053



13.1879, 26.2939, 4.3802



0.6339, 1.2499, 0.2078

Inverse Universe

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



47.0778, 42.5081, 60.3699



79.1351, 68.9946, 103.7542



45.4379, 41.8829, 50.3454



11.0537, 10.8015, 13.4198



20.8857, 10.0012, 35.5740



0.9981, 0.4783, 1.6849

Previews

White Background



This preview shows how the XYZ color 42.5750, 51.8454, 42.4136 looks on a white background.

Color Contrast Check

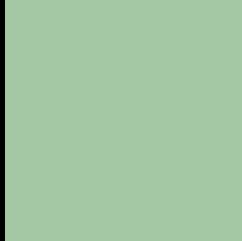
Large Text (above 18pt) WCAG AA × Fail

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 42.5750, 51.8454, 42.4136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

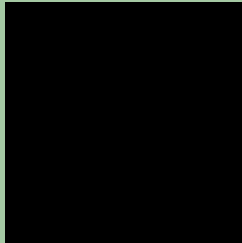
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

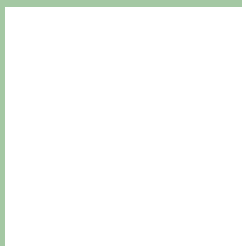
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.5750, 51.8454, 42.4136

Background



This preview shows how black text looks on a background with the XYZ color 42.5750, 51.8454, 42.4136.



This preview shows how white text looks on a background with the XYZ color 42.5750, 51.8454,

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

42.5750, 51.8454, 42.4136

Protanopia

48.6724, 51.7130, 39.7641

Deuteranopia

52.4317, 51.3719, 43.2287



Tritanopia

47.8137, 51.9577, 67.8304

Trichromacy



Original Color

42.5750, 51.8454, 42.4136

Protanomaly

46.3760, 51.8130, 40.8143

Deuteranomaly

48.2778, 51.1176, 42.9195

Tritanomaly

45.6165, 51.7206, 57.4480

Monochromacy



Original Color

42.5750, 51.8454, 42.4136

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

44.4807, 49.3483, 48.7758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5750, 51.8454, 42.4136 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(164, 200, 163)` looks like.

```
.text, #text, p{  
    color:rgb(164, 200, 163)  
}
```

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(164, 200, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 200, 163) }
```

Border

The CSS property to change the border of an element to XYZ 42.5750, 51.8454, 42.4136 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(164, 200, 163) }
```


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

```
.border{ border-color:rgb(164, 200, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 200, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 200, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 200, 163);  
box-shadow:4px 4px 4px 4px rgb(164, 200,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5750, 51.8454, 42.4136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 200, 163) }
```

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

```
.background{ background-color: rgb(164,  
200, 163) }
```

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