

Converting Colors

XYZ(50.3500, 60.7877, 50.4493)

Have a look what the booklet for
XYZ(50.3500, 60.7877, 50.4493)
contains.

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Color

**XYZ(50.3425, 60.7324,
50.6642)**

Conversions

Conversions Part 1

Format	Color
Hex	B2D6B1
RGB	178, 214, 177
RGB Percent	70%, 84%, 69%
CMY	0.3020, 0.1608, 0.3059
CMYK	0.17, 0.00, 0.17, 0.16
HSL	118°, 31%, 77%
HSV	118°, 17%, 84%
XYZ	50.3425, 60.7324, 50.6642
YIQ	199.0180, -9.5790, -19.1390

Conversions

Conversions Part 2

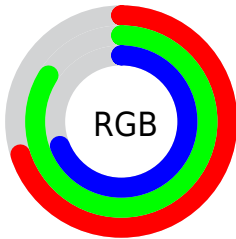
Format	Color
RYB	177, 214, 213
Decimal	11720369
CIELab	82.23, -18.88, 14.39
CIElCh	82, 23.737, 142.684
Yxy	60.7324, 0.3113, 0.3755
Android (android.graphics.Color)	4289910449 (0xFFB2D6B1)
YUV	199.0180, -10.8549, -18.4328
Hunter-Lab	77.9310, -21.0704, 16.0063

Details

The XYZ color **50.3425, 60.7324, 50.6642** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **55.3027, 50.4472, 70.4439**, and the grayscale version is **54.3670, 57.1983, 62.2889**.

A 20% lighter version of the original color is **84.3997, 94.8956, 90.9591**, and **24.4937, 30.6115, 23.6864** is the 20% darker color. If you saturate the color by 10%, you get **43.9543, 57.6684, 40.0903**, and if you desaturate by 10%, it is **57.7937, 64.3093, 63.0366**.

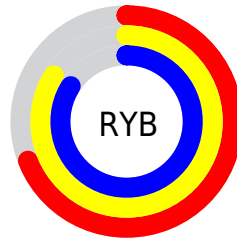
Distribution



Red (70%)

Green (84%)

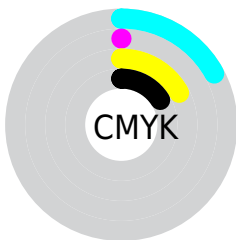
Blue (69%)



Red (69%)

Yellow (84%)

Blue (84%)

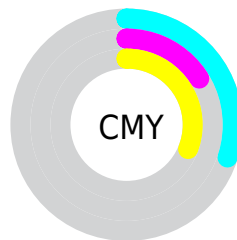


Cyan (17%)

Magenta (0%)

Yellow (17%)

Black (16%)



Cyan (30%)

Magenta (16%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.3425, 60.7324, 50.6642 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 50.3425, 60.7324, 50.6642 by changing the saturation by 10% instead.

■ 50.3425, 60.7324,
50.6642

■ 50.3425, 60.7324,
50.6642

378.4337,
427.2921, 406.0670

■ 35.9045, 44.0092,
35.5666

■ 89.8709, 105.8914,
92.5646

■ 24.5302, 30.6778,
23.8126

115.6921,
135.0960, 120.2045

■ 15.8543, 20.3536,
14.9837

146.0383,
169.2299, 152.8622

■ 9.5113, 12.6523,
8.6615

181.2751,
208.6774, 190.9562

■ 5.1359, 7.1896,
4.4273

221.7676,
253.8230, 234.9052

■ 2.3628, 3.5809,
1.8625

267.8813,

■ 0.8265, 1.4420,

305.0511, 285.1276

0.4687

319.9816,
362.7460, 342.0420

■ 0.0000, 0.2474,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.3425, 60.7324,
50.6642

■ 50.3425, 60.7324,
50.6642

■ 43.9543, 57.6684,
40.0903

■ 57.7937, 64.3093,
63.0366

■ 38.5762, 55.0864,
31.2274

■ 66.3481, 68.4128,
77.2813

■ 34.1578, 52.9644,
23.9868

■ 76.0497, 73.0658,
93.4732

■ 30.6428, 51.2752,
18.2703

■ 83.3377, 76.5754,
104.9959

■ 27.9687, 49.9891,
13.9690

■ 26.0654, 49.0725,
10.9597

■ 24.8512, 48.4865,
9.0980

■ 24.2232, 48.1822,
8.1899

■ 24.1201, 48.1328,
8.0193

Harmonies

Analogous

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



54.0607, 60.7324, 43.6489



50.3425, 60.7324, 50.6642



48.6207, 60.7324, 62.6498

Triad

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



50.3425, 60.7324, 50.6642



56.4970, 60.7324, 97.7153



67.1527, 60.7324, 55.9739

Complementary

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



50.3425, 60.7324, 50.6642



55.3027, 50.4472, 70.4439

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.



67.8987, 60.7324, 69.7311



50.3425, 60.7324, 50.6642



61.5498, 60.7324, 95.2398

Square

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



50.3425, 60.7324, 50.6642



52.0370, 60.7324, 90.7957



65.7946, 60.7324, 84.4542



63.8117, 60.7324, 46.3882

Rectangle

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



50.3425, 60.7324, 50.6642



48.7617, 60.7324, 72.4222



65.7946, 60.7324, 84.4542



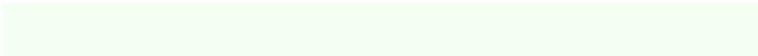
67.7229, 60.7324, 60.2081

Sweetspot

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



50.3441, 60.7350, 50.6655



88.6469, 96.9284, 98.2383



59.4056, 64.9447, 51.0005



18.7888, 20.6578, 20.7187



0.0000, 0.0000, 0.0000



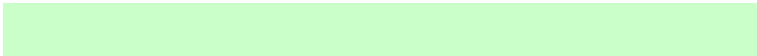
20.3446, 21.4041, 23.3091

Same Dimension

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



50.3441, 60.7350, 50.6655



70.9561, 88.4402, 68.8672



51.9475, 61.3500, 60.3017



12.2931, 13.9118, 13.1980



14.5924, 29.0990, 4.8476



0.8913, 1.7609, 0.2929

Inverse Universe

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



55.3027, 50.4472, 70.4439



79.7515, 70.1901, 103.9524



53.5033, 49.7610, 59.4501



12.9183, 12.6148, 15.6916



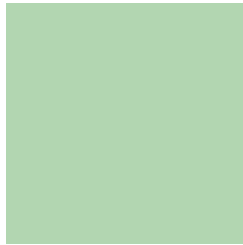
23.1116, 11.0669, 39.3712



1.4047, 0.6730, 2.3752

Previews

White Background



This preview shows how the XYZ color 50.3425, 60.7324, 50.6642 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 50.3425, 60.7324, 50.6642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

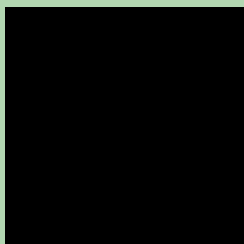
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

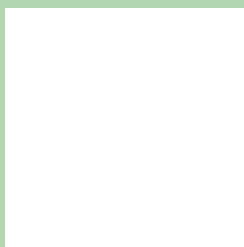
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.3425, 60.7324, 50.6642

Background



This preview shows how black text looks on a background with the XYZ color 50.3425, 60.7324, 50.6642.



This preview shows how white text looks on a background with the XYZ color 50.3425, 60.7324,

50.6642.

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

50.3425, 60.7324, 50.6642

Protanopia

57.0636, 60.6114, 47.7213

Deuteranopia

61.5855, 60.4245, 52.1333



Tritanopia

56.0171, 60.4466, 79.2359

Trichromacy



Original Color

50.3425, 60.7324, 50.6642

Protanomaly

54.5530, 60.7243, 48.8901

Deuteranomaly

56.7455, 60.0042, 51.7712

Tritanomaly

53.8375, 60.6655, 67.9035

Monochromacy



Original Color

50.3425, 60.7324, 50.6642

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

52.4827, 58.0237, 57.7238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3425, 60.7324, 50.6642 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(178, 214, 177)` looks like.

```
.text, #text, p{  
    color:rgb(178, 214, 177)  
}
```

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(178, 214, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 214, 177) }
```

Border

The CSS property to change the border of an element to XYZ 50.3425, 60.7324, 50.6642 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(178, 214, 177) }
```


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

```
.border{ border-color:rgb(178, 214, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 214, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 214, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 214, 177);  
box-shadow:4px 4px 4px 4px rgb(178, 214,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3425, 60.7324, 50.6642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 214, 177) }
```

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

```
.background{ background-color: rgb(178,  
214, 177) }
```

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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