

Converting Colors

XYZ(50.4412, 63.9823, 43.7087)

Have a look what the booklet for
XYZ(50.4412, 63.9823, 43.7087)
contains.

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Color

**XYZ(50.5474, 64.0813,
43.8872)**

Conversions

Conversions Part 1

Format	Color
Hex	B0DEA2
RGB	176, 222, 162
RGB Percent	69%, 87%, 64%
CMY	0.3098, 0.1294, 0.3647
CMYK	0.21, 0.00, 0.27, 0.13
HSL	106°, 48%, 75%
HSV	106°, 27%, 87%
XYZ	50.5474, 64.0813, 43.8872
YIQ	201.4060, -8.1560, -28.4120

Conversions

Conversions Part 2

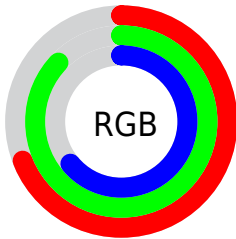
Format	Color
RYB	162, 222, 208
Decimal	11591330
CIELab	84.01, -25.97, 24.69
CIElCh	84, 35.837, 136.451
Yxy	64.0813, 0.3189, 0.4043
Android (android.graphics.Color)	4289781410 (0xFFB0DEA2)
YUV	201.4060, -19.4272, -22.2811
Hunter-Lab	80.0508, -27.3766, 23.5303

Details

The XYZ color **50.5474, 64.0813, 43.8872** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **52.1202, 44.5263, 74.9580**, and the grayscale version is **55.8913, 58.8020, 64.0354**.

A 20% lighter version of the original color is **81.5631, 93.6856, 79.4299**, and **24.6592, 32.9008, 19.8027** is the 20% darker color. If you saturate the color by 10%, you get **45.1357, 61.5016, 34.2264**, and if you desaturate by 10%, it is **56.7935, 67.0547, 55.4083**.

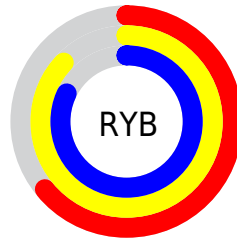
Distribution



Red (69%)

Green (87%)

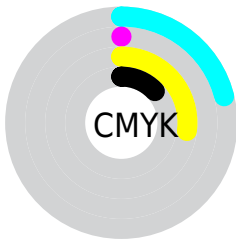
Blue (64%)



Red (64%)

Yellow (87%)

Blue (82%)

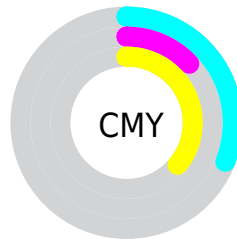


Cyan (21%)

Magenta (0%)

Yellow (27%)

Black (13%)



Cyan (31%)


Magenta (13%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.5474, 64.0813, 43.8872 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 50.5474, 64.0813, 43.8872 by changing the saturation by 10% instead.


 50.5474, 64.0813,
43.8872


 50.5474, 64.0813,
43.8872


379.2195,
439.4832, 378.2756

 36.0681, 46.7165,
30.2453


 90.1724, 110.7280,
82.3486

 24.6572, 32.8116,
19.7712


 116.0488,
140.7787, 108.0053

 15.9492, 21.9822,
12.0464


146.4549,
175.8269, 138.5039

 9.5788, 13.8438,
6.6524

181.7562,
216.2569, 174.2630

 5.1807, 8.0121,
3.1705

222.3179,
262.4531, 215.7012

 2.3895, 4.1027,
1.1824

268.5055,

 0.8399, 1.7312,

314.8000, 263.2370

0.0000

320.6842,
373.6819, 317.2890

0.0000, 0.4437,
0.0000

0.0000, 0.0000,
0.0000

50.5474, 64.0813,
43.8872

50.5474, 64.0813,
43.8872

45.1357, 61.5016,
34.2264

56.7935, 67.0547,
55.4083

40.5172, 59.2908,
26.3243

63.9028, 70.4289,
68.8756

36.6548, 57.4340,
20.0761

71.9088, 74.2214,
84.3750

33.5061, 55.9118,
15.3643

80.8419, 78.4461,
101.9856

■ 31.0243, 54.7030,
12.0555

■ 85.4126, 80.7251,
105.6875

■ 29.1563, 53.7837,
9.9940

■ 27.8378, 53.1252,
8.9765

■ 27.5282, 52.9698,
8.7733

Harmonies

Analogous

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



56.7058, 64.0813, 35.8140



50.5474, 64.0813, 43.8872



47.3008, 64.0813, 60.0699

Triad

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



50.5474, 64.0813, 43.8872



57.4175, 64.0813, 121.1893



76.6686, 64.0813, 58.1640

Complementary

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



50.5474, 64.0813, 43.8872



52.1202, 44.5263, 74.9580

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.



76.9010, 64.0813, 80.4699



50.5474, 64.0813, 43.8872



65.3114, 64.0813, 120.3670

Square

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



50.5474, 64.0813, 43.8872



51.0294, 64.0813, 106.2941



72.5941, 64.0813, 104.2442



71.9842, 64.0813, 42.7531

Rectangle

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



50.5474, 64.0813, 43.8872



47.0255, 64.0813, 74.7769



72.5941, 64.0813, 104.2442



77.2831, 64.0813, 64.9987

Sweetspot

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



50.5491, 64.0840, 43.8886



86.4157, 95.9084, 92.2522



59.2043, 63.2528, 43.2720



18.1681, 20.3726, 19.1191



0.0000, 0.0000, 0.0000



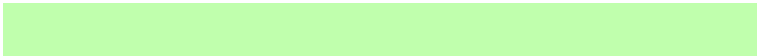
20.3446, 21.4041, 23.3091

Same Dimension

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



50.5491, 64.0840, 43.8886



65.1909, 85.8164, 52.8667



49.0594, 63.1412, 51.7227



13.8266, 15.4908, 14.5681



16.4320, 31.5035, 5.2147



1.2175, 2.2241, 0.3651

Inverse Universe

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



52.1202, 44.5263, 74.9580



67.6499, 55.0872, 101.6751



54.1874, 45.8282, 64.3848



13.9661, 13.7661, 17.3087



17.8070, 8.2752, 41.7071



1.3110, 0.6132, 2.8945

Previews

White Background



This preview shows how the XYZ color 50.5474, 64.0813, 43.8872 looks on a white background.

Color Contrast Check

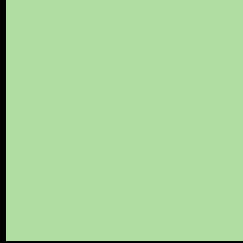
Large Text (above 18pt) WCAG AA × Fail

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 50.5474, 64.0813, 43.8872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

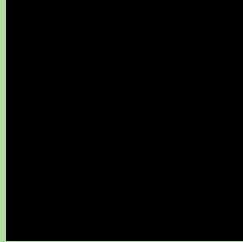
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.5474, 64.0813, 43.8872

Background



This preview shows how black text looks on a background with the XYZ color 50.5474, 64.0813, 43.8872.



This preview shows how white text looks on a background with the XYZ color 50.5474, 64.0813,

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

50.5474, 64.0813, 43.8872

Protanopia

59.5417, 63.8485, 40.6383

Deuteranopia

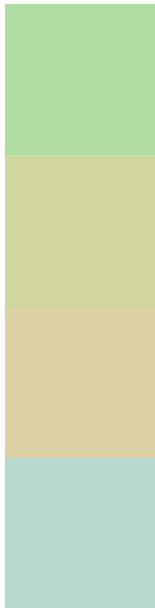
65.1699, 63.7964, 45.4383



Tritanopia

58.5707, 63.8665, 84.1034

Trichromacy



Original Color

50.5474, 64.0813, 43.8872

Protanomaly

55.9502, 63.8272, 41.7187

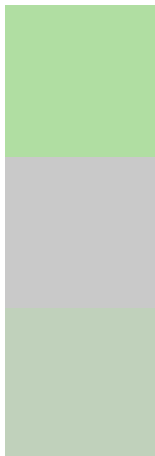
Deuteranomaly

58.8054, 63.3776, 44.7310

Tritanomaly

55.1038, 63.5868, 67.1268

Monochromacy



Original Color

50.5474, 64.0813, 43.8872

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

53.5083, 60.3953, 55.8510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5474, 64.0813, 43.8872 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(176, 222, 162)` looks like.

```
.text, #text, p{  
    color:rgb(176, 222, 162)  
}
```

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(176, 222, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 222, 162) }
```

Border

The CSS property to change the border of an element to XYZ 50.5474, 64.0813, 43.8872 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(176, 222, 162) }
```


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

```
.border{ border-color:rgb(176, 222, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 222, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 222, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 222, 162); box-shadow:4px 4px 4px 4px rgb(176, 222, 162) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5474, 64.0813, 43.8872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 222, 162) }
```

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

```
.background{ background-color: rgb(176,  
222, 162) }
```

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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