

Converting Colors

XYZ(50.8786, 63.5572, 40.1622)

Have a look what the booklet for
XYZ(50.8786, 63.5572, 40.1622)
contains.

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Color

**XYZ(50.9544, 63.5868,
40.1597)**

Conversions

Conversions Part 1

Format	Color
Hex	B7DC9A
RGB	183, 220, 154
RGB Percent	72%, 86%, 60%
CMY	0.2824, 0.1372, 0.3961
CMYK	0.17, 0.00, 0.30, 0.14
HSL	94°, 49%, 73%
HSV	94°, 30%, 86%
XYZ	50.9544, 63.5868, 40.1597
YIQ	201.4130, -0.8660, -28.3700

Conversions

Conversions Part 2

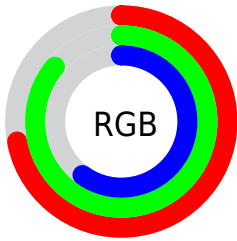
Format	Color
RYB	154, 220, 191
Decimal	12049562
CIELab	83.75, -23.78, 28.55
CIElCh	84, 37.158, 129.787
Yxy	63.5868, 0.3294, 0.4110
Android (android.graphics.Color)	4290239642 (0xFFB7DC9A)
YUV	201.4130, -23.3746, -16.1482
Hunter-Lab	79.7413, -25.4865, 25.9590

Details

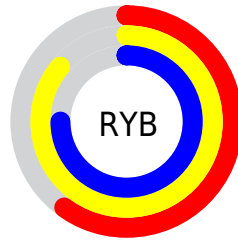
The XYZ color **50.9544, 63.5868, 40.1597** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.9623, 39.3566, 72.8877**, and the grayscale version is **55.9162, 58.8282, 64.0639**.

A 20% lighter version of the original color is **83.2038, 94.6487, 74.2053**, and **24.9067, 32.5367, 17.5379** is the 20% darker color. If you saturate the color by 10%, you get **46.4814, 61.4755, 31.2465**, and if you desaturate by 10%, it is **56.0236, 65.9705, 50.8564**.

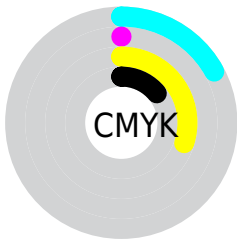
Distribution



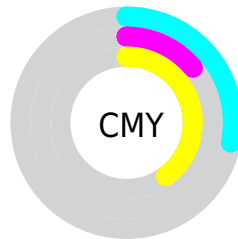
- Red (72%)
- Green (86%)
- Blue (60%)



- Red (60%)
- Yellow (86%)
- Blue (75%)



- Cyan (17%)
- Magenta (0%)
- Yellow (30%)
- Black (14%)





- Cyan (28%)
- Magenta (14%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9544, 63.5868, 40.1597 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 50.9544, 63.5868, 40.1597 by changing the saturation by 10% instead.


 50.9544, 63.5868,
40.1597


 50.9544, 63.5868,
40.1597


380.7772,
437.6960, 362.3683

 36.3932, 46.3161,
27.3483


 90.7708, 110.0156,
76.6464

 24.9096, 32.4953,
17.6003


 116.7566,
139.9426, 101.1588

 16.1381, 21.7401,
10.4969


147.2815,
174.8570, 130.4086

 9.7134, 13.6661,
5.6198

182.7106,
215.1434, 164.8145

 5.2701, 7.8888,
2.5503

223.4094,
261.1861, 204.7948

 2.4430, 4.0239,
0.8666

269.7432,

 0.8666, 1.6869,

313.3695, 250.7682

0.0000

322.0773,
372.0780, 303.1532

0.0000, 0.4152,
0.0000

0.0000, 0.0000,
0.0000

50.9544, 63.5868,
40.1597

50.9544, 63.5868,
40.1597

46.4814, 61.4755,
31.2465

56.0236, 65.9705,
50.8564

42.5749, 59.6176,
24.0156

61.7076, 68.6285,
63.4222

39.2096, 58.0044,
18.3620

68.0297, 71.5728,
77.9420

36.3557, 56.6230,
14.1675

75.0109, 74.8126,
94.4944

■ 33.9804, 55.4596,
11.2966

■ 81.1868, 77.7628,
105.3385

■ 32.0452, 54.4978,
9.5892

■ 84.8845, 79.6690,
105.5115

■ 30.4881, 53.7118,
8.7605

Harmonies

Analogous

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



57.8128, 63.5868, 33.7599



50.9544, 63.5868, 40.1597



46.8934, 63.5868, 54.8587

Triad

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



50.9544, 63.5868, 40.1597



55.1835, 63.5868, 120.4622



77.2309, 63.5868, 61.8839

Complementary

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



50.9544, 63.5868, 40.1597



45.9623, 39.3566, 72.8877

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.



76.3663, 63.5868, 85.9266



50.9544, 63.5868, 40.1597



63.1402, 63.5868, 123.5413

Square

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



50.9544, 63.5868, 40.1597



49.1785, 63.5868, 102.1060



71.0294, 63.5868, 109.7609



73.2954, 63.5868, 44.3053

Rectangle

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



50.9544, 63.5868, 40.1597



46.0833, 63.5868, 69.0684



71.0294, 63.5868, 109.7609



77.4996, 63.5868, 69.4023

Sweetspot

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



50.9560, 63.5896, 40.1611



86.9963, 96.2499, 90.3741



53.8289, 54.5082, 38.2568



18.3570, 20.4784, 18.7486



0.0000, 0.0000, 0.0000



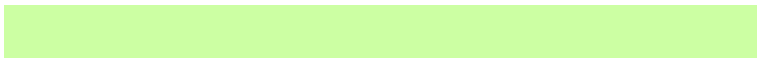
20.3446, 21.4041, 23.3091

Same Dimension

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



50.9560, 63.5896, 40.1611



67.1627, 86.9430, 47.9862



45.0330, 60.5039, 41.3387



13.4267, 14.8847, 13.8909



18.0155, 31.5848, 5.1470



1.2650, 2.0967, 0.3380

Inverse Universe

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



45.9623, 39.3566, 72.8877



59.1094, 47.8822, 100.7345



53.5587, 43.3227, 70.9838



13.0335, 12.9754, 16.4697



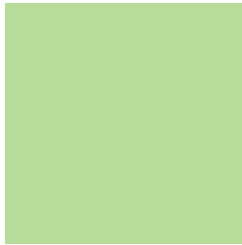
12.5344, 5.5859, 40.1560



0.9104, 0.4126, 2.6061

Previews

White Background



This preview shows how the XYZ color 50.9544, 63.5868, 40.1597 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 50.9544, 63.5868, 40.1597 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 50.9544, 63.5868, 40.1597

Background



This preview shows how black text looks on a background with the XYZ color 50.9544, 63.5868, 40.1597.

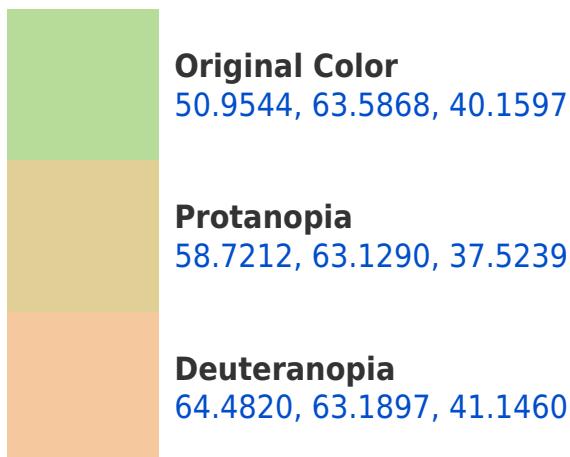


This preview shows how white text looks on a background with the XYZ color 50.9544, 63.5868,

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

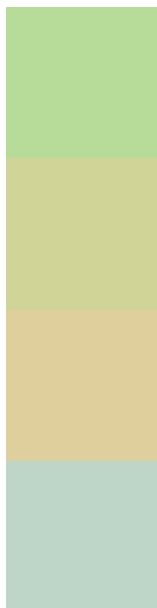




Tritanopia

59.4075, 63.6039, 81.8187

Trichromacy



Original Color

50.9544, 63.5868, 40.1597

Protanomaly

55.4239, 62.8766, 38.4934

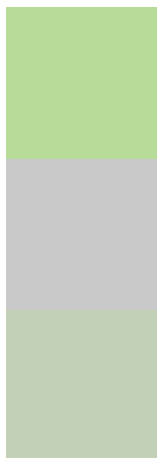
Deuteranomaly

58.5228, 62.5896, 40.8948

Tritanomaly

55.7071, 63.2104, 63.9083

Monochromacy



Original Color

50.9544, 63.5868, 40.1597

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

53.4557, 60.0418, 54.1192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9544, 63.5868, 40.1597 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(183, 220, 154)` looks like.

```
.text, #text, p{  
    color:rgb(183, 220, 154)  
}
```

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(183, 220, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 220, 154) }
```

Border

The CSS property to change the border of an element to XYZ 50.9544, 63.5868, 40.1597 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(183, 220, 154) }
```


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

```
.border{ border-color:rgb(183, 220, 154) }
```

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

Here you see how a box with a 4 pixel rgb(183, 220, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 220, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 220, 154);  
box-shadow:4px 4px 4px 4px rgb(183, 220,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9544, 63.5868, 40.1597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 220, 154) }
```

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

```
.background{ background-color: rgb(183,  
220, 154) }
```

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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