

Converting Colors

XYZ(51.7325, 63.8980, 44.2573)

Have a look what the booklet for
XYZ(51.7325, 63.8980, 44.2573)
contains.

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Color

**XYZ(51.7325, 63.8980,
44.2573)**

Conversions

Conversions Part 1

Format	Color
Hex	B7DCA3
RGB	183, 220, 163
RGB Percent	72%, 86%, 64%
CMY	0.2823, 0.1372, 0.3608
CMYK	0.17, 0.00, 0.26, 0.14
HSL	99°, 45%, 75%
HSV	99°, 26%, 86%
XYZ	51.7325, 63.8980, 44.2573
YIQ	202.4390, -3.7550, -25.5710

Conversions

Conversions Part 2

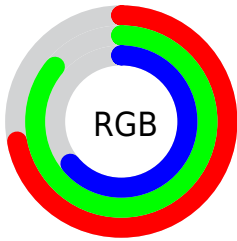
Format	Color
RYB	163, 220, 200
Decimal	12049571
CIELab	83.91, -22.42, 24.11
CIELCh	84, 32.926, 132.919
Yxy	63.8980, 0.3236, 0.3996
Android (android.graphics.Color)	4290239651 (0xFFB7DCA3)
YUV	202.4390, -19.4434, -17.0480
Hunter-Lab	79.9362, -24.3682, 23.1290

Details

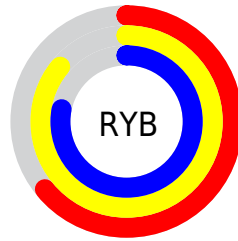
The XYZ color **51.7325, 63.8980, 44.2573** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **49.8375, 43.6429, 73.5107**, and the grayscale version is **56.5341, 59.4783, 64.7719**.

A 20% lighter version of the original color is **84.0115, 94.9327, 80.2256**, and **25.3776, 32.7251, 20.0180** is the 20% darker color. If you saturate the color by 10%, you get **46.7043, 61.5161, 34.6121**, and if you desaturate by 10%, it is **57.4518, 66.6004, 55.7275**.

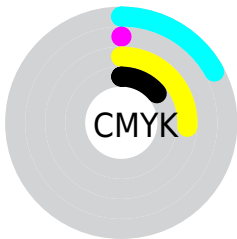
Distribution



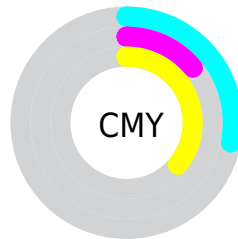
- Red (72%)
- Green (86%)
- Blue (64%)



- Red (64%)
- Yellow (86%)
- Blue (78%)



- Cyan (17%)
- Magenta (0%)
- Yellow (26%)
- Black (14%)





- Cyan (28%)
- Magenta (14%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.7325, 63.8980, 44.2573 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 51.7325, 63.8980, 44.2573 by changing the saturation by 10% instead.


 51.7325, 63.8980,
44.2573


 51.7325, 63.8980,
44.2573

383.7440,
438.8212, 379.8293

 37.0153, 46.5681,
30.5342


 91.9132, 110.4640,
82.9114

 25.3931, 32.6943,
19.9889


 118.1074,
140.4689, 108.6794

 16.5004, 21.8924,
12.2030


148.8580,
175.4676, 139.2995

 9.9721, 13.7778,
6.7579

184.5303,
215.8444, 175.1901

 5.4426, 7.9663,
3.2350

225.4897,
261.9838, 216.7699

 2.5466, 4.0734,
1.2158

272.1015,

 0.9188, 1.7147,

314.2701, 264.4573

0.0000

324.7312,
373.0878, 318.6709

0.0000, 0.4332,
0.0000

0.0000, 0.0000,
0.0000

51.7325, 63.8980,
44.2573

51.7325, 63.8980,
44.2573

46.7043, 61.5161,
34.6121

57.4518, 66.6004,
55.7275

42.3341, 59.4339,
26.6937

63.8833, 69.6265,
69.1057

38.5936, 57.6410,
20.4011

71.0537, 72.9902,
84.4749

35.4500, 56.1230,
15.6210

78.9864, 76.7020,
101.9120

■ 32.8673, 54.8640,
12.2256

■ 84.6678, 79.5573,
105.5014

■ 30.8046, 53.8463,
10.0661

■ 84.8845, 79.6690,
105.5115

■ 29.2135, 53.0489,
8.9582

■ 28.6701, 52.7745,
8.6754

Harmonies

Analogous

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



57.6716, 63.8980, 37.4837



51.7325, 63.8980, 44.2573



48.3669, 63.8980, 58.5019

Triad

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



51.7325, 63.8980, 44.2573



56.7328, 63.8980, 115.1009



75.3475, 63.8980, 61.0301

Complementary

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



51.7325, 63.8980, 44.2573



49.8375, 43.6429, 73.5107

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.



75.0456, 63.8980, 81.9619



51.7325, 63.8980, 44.2573



63.9012, 63.8980, 116.1528

Square

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



51.7325, 63.8980, 44.2573



51.0925, 63.8980, 100.4305



70.7215, 63.8980, 103.0695



71.5161, 63.8980, 45.7897

Rectangle

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



51.7325, 63.8980, 44.2573



47.8564, 63.8980, 71.6258



70.7215, 63.8980, 103.0695



75.7344, 63.8980, 67.5619

Sweetspot

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



51.7342, 63.9008, 44.2587



87.2323, 96.3294, 92.2904



56.5750, 58.7555, 43.0104



18.3727, 20.4780, 19.1286



0.0000, 0.0000, 0.0000



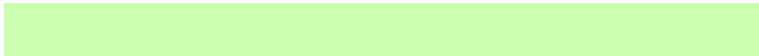
20.3446, 21.4041, 23.3091

Same Dimension

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



51.7342, 63.9008, 44.2587



68.4068, 87.4453, 54.3216



48.0120, 61.9008, 47.7472



13.3153, 14.8273, 13.8857



16.9347, 31.0277, 5.0964



1.1886, 2.0573, 0.3344

Inverse Universe

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



49.8375, 43.6429, 73.5107



65.3281, 54.6253, 101.7083



54.5490, 46.1854, 68.5949



13.1480, 13.0344, 16.4751



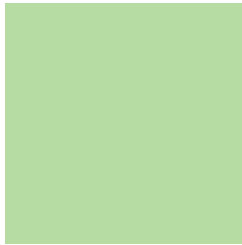
14.3358, 6.5145, 40.2403



1.0207, 0.4694, 2.6113

Previews

White Background



This preview shows how the XYZ color 51.7325, 63.8980, 44.2573 looks on a white background.

Color Contrast Check

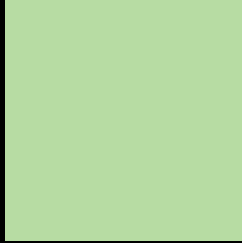
Large Text (above 18pt) WCAG AA × Fail

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 51.7325, 63.8980, 44.2573 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 51.7325, 63.8980, 44.2573

Background



This preview shows how black text looks on a background with the XYZ color 51.7325, 63.8980, 44.2573.



This preview shows how white text looks on a background with the XYZ color 51.7325, 63.8980,

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

51.7325, 63.8980, 44.2573

Protanopia

59.1589, 63.2683, 41.4418

Deuteranopia

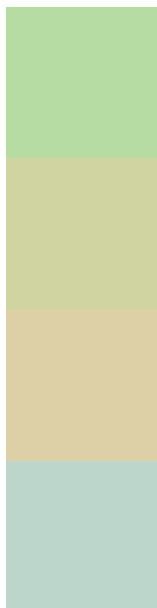
64.5915, 63.1533, 45.3447



Tritanopia

59.2902, 63.5274, 82.5359

Trichromacy



Original Color

51.7325, 63.8980, 44.2573

Protanomaly

55.9011, 63.0349, 42.4784

Deuteranomaly

59.0146, 62.7510, 45.0781

Tritanomaly

55.9319, 63.2716, 66.3915

Monochromacy



Original Color

51.7325, 63.8980, 44.2573

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

54.3832, 60.8339, 56.4528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7325, 63.8980, 44.2573 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, 163)` looks like.

```
.text, #text, p{  
    color:rgb(183, 220, 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(183, 220, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 220, 163) }
```

Border

The CSS property to change the border of an element to XYZ 51.7325, 63.8980, 44.2573 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, 163) }
```


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

```
.border{ border-color:rgb(183, 220, 163) }
```

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, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 220, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 220, 163);  
box-shadow:4px 4px 4px 4px rgb(183, 220,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7325, 63.8980, 44.2573 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, 163) }
```

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

```
.background{ background-color: rgb(183,  
220, 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](#).

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