

# Converting Colors

XYZ(50.4227, 63.6468, 33.1259)

Have a look what the booklet for  
XYZ(50.4227, 63.6468, 33.1259)  
contains.

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# Color

**XYZ(50.3583, 63.4316,  
33.2563)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BADC89
RGB	186, 220, 137
RGB Percent	73%, 86%, 54%
CMY	0.2706, 0.1372, 0.4627
CMYK	0.15, 0.00, 0.38, 0.14
HSL	85°, 54%, 70%
HSV	85°, 38%, 86%
XYZ	50.3583, 63.4316, 33.2563
YIQ	200.3720, 6.3790, -33.0210

# Conversions

## Conversions Part 2

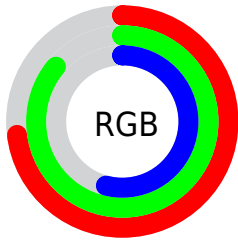
<b>Format</b>	<b>Color</b>
<b>RYB</b>	137, 220, 171
Decimal	12246153
CIELab	83.67, -25.02, 37.15
CIELCh	84, 44.792, 123.956
Yxy	63.4316, 0.3425, 0.4314
Android (android.graphics.Color)	4290436233 (0xFFBADDC89)
YUV	200.3720, -31.2424, -12.6042
Hunter-Lab	79.6440, -26.5127, 30.9935

# Details

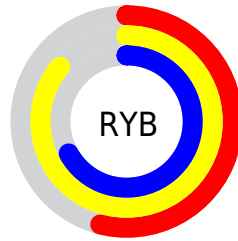
The XYZ color **50.3583, 63.4316, 33.2563** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **38.6610, 31.7183, 71.7982**, and the grayscale version is **55.3145, 58.1951, 63.3745**.

A 20% lighter version of the original color is **82.1261, 94.3363, 63.1704**, and **24.6506, 32.4877, 13.7756** is the 20% darker color. If you saturate the color by 10%, you get **46.8177, 61.7725, 25.6760**, and if you desaturate by 10%, it is **54.3620, 65.2962, 42.5405**.

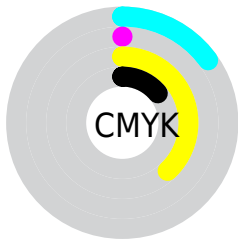
# Distribution



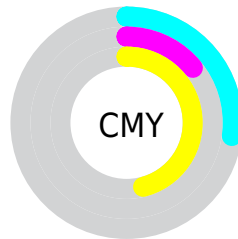
- Red (73%)
- Green (86%)
- Blue (54%)



- Red (54%)
- Yellow (86%)
- Blue (67%)



- Cyan (15%)
- Magenta (0%)
- Yellow (38%)
- Black (14%)



- Cyan (27%)
- Magenta (14%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.3583, 63.4316, 33.2563 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 50.3583, 63.4316, 33.2563 by changing the saturation by 10% instead.





 50.3583, 63.4316,  
33.2563


 50.3583, 63.4316,  
33.2563


378.4943,  
437.1342, 331.4704


 35.9171, 46.1905,  
22.0501


 89.8942, 109.7919,  
65.8961

 24.5400, 32.3961,  
13.6951


 115.7196,  
139.6799, 88.1668

 15.8616, 21.6643,  
7.7726


 146.0705,  
174.5523, 114.9628

 9.5165, 13.6104,  
3.8641

181.3122,  
214.7935, 146.7025

 5.1394, 7.8502,  
1.5511

221.8101,  
260.7879, 183.8046

 2.3649, 3.9992,  
0.2556

267.9295,

 0.8275, 1.6731,

312.9199, 226.6876

0.0000

320.0358,  
371.5738, 275.7700

■ 0.0000, 0.4062,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 50.3583, 63.4316,  
33.2563

■ 50.3583, 63.4316,  
33.2563

■ 46.8177, 61.7725,  
25.6760

■ 54.3620, 65.2962,  
42.5405

■ 43.7133, 60.3014,  
19.6917


■ 58.8446, 67.3665,  
53.6195


■ 41.0223, 59.0109,  
15.1896


■ 63.8266, 69.6531,  
66.5828


■ 38.7170, 57.8899,  
12.0390


■ 69.3262, 72.1635,  
81.5124

 36.7658, 56.9251,  
10.0868

 75.3602, 74.9047,  
98.4858

 35.1254, 56.0992,  
9.1205

 79.6066, 76.9482,  
105.2645

 34.7811, 55.9248,  
8.9614

 82.7444, 78.5657,  
105.4113

 84.8845, 79.6690,  
105.5115

# Harmonies

## Analogous

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



58.9983, 63.4316, 27.9836



50.3583, 63.4316, 33.2563



44.8846, 63.4316, 47.9638

# Triad

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



50.3583, 63.4316, 33.2563



52.3833, 63.4316, 129.8397



81.1273, 63.4316, 65.4071

# Complementary

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



50.3583, 63.4316, 33.2563



38.6610, 31.7183, 71.7982

# 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.



78.8693, 63.4316, 95.5962



50.3583, 63.4316, 33.2563



61.6001, 63.4316, 138.1693

# Square

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



50.3583, 63.4316, 33.2563



45.9617, 63.4316, 103.8369



71.4482, 63.4316, 124.2469



77.3235, 63.4316, 43.0791



# Rectangle

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



50.3583, 63.4316, 33.2563



43.4141, 63.4316, 63.5341



71.4482, 63.4316, 124.2469



81.0543, 63.4316, 74.9106

# Sweetspot

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



50.3599, 63.4344, 33.2577



86.7561, 96.2086, 86.6344



48.4451, 45.8484, 29.9641



18.3637, 20.4983, 18.0060



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

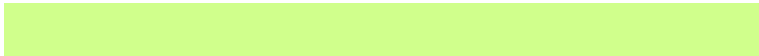


# Same Dimension

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



50.3599, 63.4344, 33.2577



66.5215, 86.8292, 38.1614



41.8405, 59.0425, 32.8590



13.6196, 14.9841, 13.9000



20.5410, 32.8867, 5.2652



1.4276, 2.1805, 0.3456



# Inverse Universe

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



38.6610, 31.7183, 71.7982



48.0220, 36.6470, 99.1503



48.9313, 37.0128, 72.2788



12.8414, 12.8763, 16.4607



10.1829, 4.3737, 40.0459

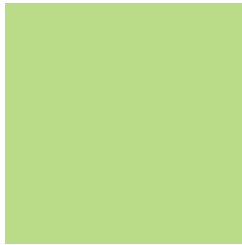


0.7559, 0.3330, 2.5989



# Previews

## White Background



This preview shows how the XYZ color 50.3583, 63.4316, 33.2563 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

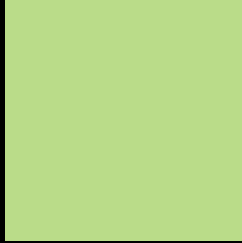
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.3583, 63.4316, 33.2563 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 50.3583, 63.4316, 33.2563**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.3583, 63.4316, 33.2563.



This preview shows how white text looks on a background with the XYZ color 50.3583, 63.4316,



# 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

50.3583, 63.4316, 33.2563

### Protanopia

58.3993, 63.1086, 30.9330

### Deuteranopia

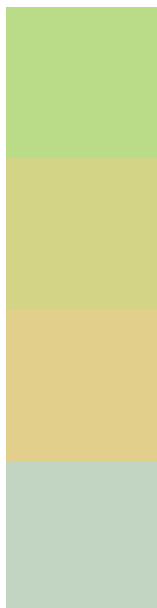
64.3728, 62.9396, 34.3469



## Tritanopia

59.8166, 63.0977, 80.9779

# Trichromacy



## Original Color

50.3583, 63.4316, 33.2563

## Protanomaly

54.9979, 62.8052, 31.7782

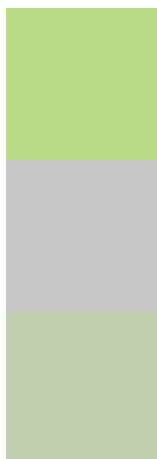
## Deuteranomaly

58.4105, 62.6878, 33.8323

## Tritanomaly

55.7800, 62.9529, 60.2501

# Monochromacy



## Original Color

50.3583, 63.4316, 33.2563

## Achromatopsia

54.8990, 57.7580, 62.8985

## Achromatomaly

52.7543, 59.4021, 50.2803

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.3583, 63.4316, 33.2563 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(186, 220, 137)` looks like.

```
.text, #text, p{  
    color:rgb(186, 220, 137)  
}
```

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(186, 220, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 220, 137) }
```

## Border

The CSS property to change the border of an element to XYZ 50.3583, 63.4316, 33.2563 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(186, 220, 137) }
```



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

```
.border{ border-color:rgb(186, 220, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 220, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 220, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 220, 137); box-shadow:4px 4px 4px 4px rgb(186, 220, 137) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.3583, 63.4316, 33.2563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 220, 137) }
```

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

```
.background{ background-color: rgb(186,  
220, 137) }
```

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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