

# Converting Colors

XYZ(50.9400, 64.2251, 43.8712)

Have a look what the booklet for  
XYZ(50.9400, 64.2251, 43.8712)  
contains.

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# Color

**XYZ(51.0030, 64.3162,  
43.9085)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2DEA2
RGB	178, 222, 162
RGB Percent	70%, 87%, 64%
CMY	0.3020, 0.1294, 0.3647
CMYK	0.20, 0.00, 0.27, 0.13
HSL	104°, 48%, 75%
HSV	104°, 27%, 87%
XYZ	51.0030, 64.3162, 43.9085
YIQ	202.0040, -6.9640, -27.9880

# Conversions

## Conversions Part 2

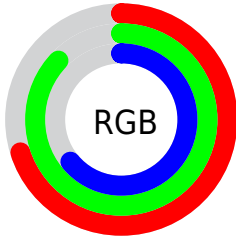
Format	Color
<a href="#">RYB</a>	<a href="#">162, 222, 206</a>
Decimal	<a href="#">11722402</a>
CIELab	<a href="#">84.13, -25.29, 24.88</a>
CIELCh	<a href="#">84, 35.473, 135.468</a>
Yxy	<a href="#">64.3162, 0.3203, 0.4039</a>
Android (android.graphics.Color)	<a href="#">4289912482 (0xFFB2DEA2)</a>
YUV	<a href="#">202.0040, -19.7220, -21.0515</a>
Hunter-Lab	<a href="#">80.1974, -26.8251, 23.6766</a>

# Details

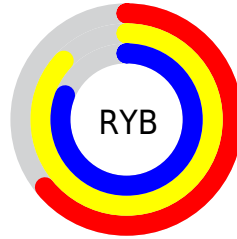
The XYZ color **51.0030, 64.3162, 43.9085** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **51.5614, 44.2382, 74.9319**, and the grayscale version is **56.2653, 59.1954, 64.4638**.

A 20% lighter version of the original color is **82.2161, 94.0222, 79.4605**, and **24.9454, 33.0483, 19.8161** is the 20% darker color. If you saturate the color by 10%, you get **45.6850, 61.7849, 34.2521**, and if you desaturate by 10%, it is **57.1161, 67.2210, 55.4234**.

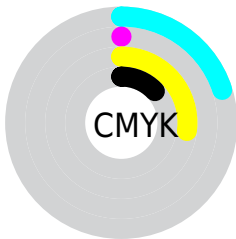
# Distribution



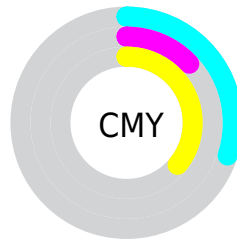
- Red (70%)
- Green (87%)
- Blue (64%)



- Red (64%)
- Yellow (87%)
- Blue (81%)



- Cyan (20%)
- Magenta (0%)
- Yellow (27%)
- Black (13%)




- Cyan (30%)
- Magenta (13%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0030, 64.3162, 43.9085 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 51.0030, 64.3162, 43.9085 by changing the saturation by 10% instead.





 51.0030, 64.3162,  
43.9085


 51.0030, 64.3162,  
43.9085


380.9629,  
440.3306, 378.3652

 36.4320, 46.9068,  
30.2619


 90.8422, 111.0662,  
82.3810

 24.9397, 32.9620,  
19.7837


 116.8411,  
141.1756, 108.0441

 16.1606, 22.0973,  
12.0554


147.3801,  
176.2871, 138.5497

 9.7295, 13.9284,  
6.6584

182.8244,  
216.7852, 174.3164

 5.2808, 8.0709,  
3.1742

223.5395,  
263.0542, 215.7628

 2.4494, 4.1404,  
1.1843

269.8908,

 0.8698, 1.7524,

315.4785, 263.3073

0.0000

322.2434,  
374.4425, 317.3686

0.0000, 0.4572,  
0.0000

0.0000, 0.0000,  
0.0000

51.0030, 64.3162,  
43.9085

51.0030, 64.3162,  
43.9085

45.6850, 61.7849,  
34.2521

57.1161, 67.2210,  
55.4234

41.1235, 59.6034,  
26.3527

64.0511, 70.5054,  
68.8826

37.2837, 57.7582,  
20.1056

71.8395, 74.1857,  
84.3717

34.1261, 56.2314,  
15.3933

80.5096, 78.2748,  
101.9701

■ 31.6069, 55.0034,  
12.0828

■ 85.4126, 80.7252,  
105.6875

■ 29.6768, 54.0521,  
10.0184

■ 28.2753, 53.3508,  
8.9969

■ 27.9378, 53.1809,  
8.7925

# Harmonies

## Analogous

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



57.1981, 64.3162, 36.1203



51.0030, 64.3162, 43.9085



47.6700, 64.3162, 59.7466

# Triad

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



51.0030, 64.3162, 43.9085



57.4260, 64.3162, 120.6785



76.8387, 64.3162, 59.1360

# Complementary

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



51.0030, 64.3162, 43.9085



51.5614, 44.2382, 74.9319

# 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.



76.9129, 64.3162, 81.4291



51.0030, 64.3162, 43.9085



65.2393, 64.3162, 120.4164

# Square

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



51.0030, 64.3162, 43.9085



51.1575, 64.3162, 105.5293



72.5173, 64.3162, 104.8753



72.3224, 64.3162, 43.5442



# Rectangle

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



51.0030, 64.3162, 43.9085



47.3204, 64.3162, 74.2239



72.5173, 64.3162, 104.8753



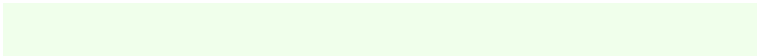
77.3960, 64.3162, 65.9960

# Sweetspot

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



51.0047, 64.3190, 43.9099



86.6462, 96.0272, 92.2630



58.7198, 62.2837, 43.1104



18.2258, 20.4023, 19.1218



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

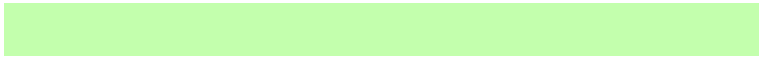


# Same Dimension

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



51.0047, 64.3190, 43.9099



65.8880, 86.1758, 52.8993



48.8600, 63.0614, 50.6726



13.8699, 15.5131, 14.5701



16.6839, 31.6334, 5.2265



1.2402, 2.2358, 0.3662



# Inverse Universe

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



51.5614, 44.2382, 74.9319



66.7538, 54.6252, 101.6332



54.4321, 45.9260, 65.6730



13.9199, 13.7422, 17.3065



16.8901, 7.8025, 41.6642



1.2541, 0.5838, 2.8918



# Previews

## White Background



This preview shows how the XYZ color 51.0030, 64.3162, 43.9085 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 51.0030, 64.3162, 43.9085 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

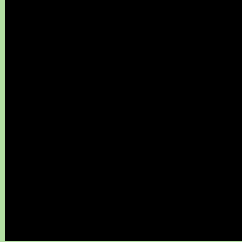
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 51.0030, 64.3162, 43.9085**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.0030, 64.3162, 43.9085.



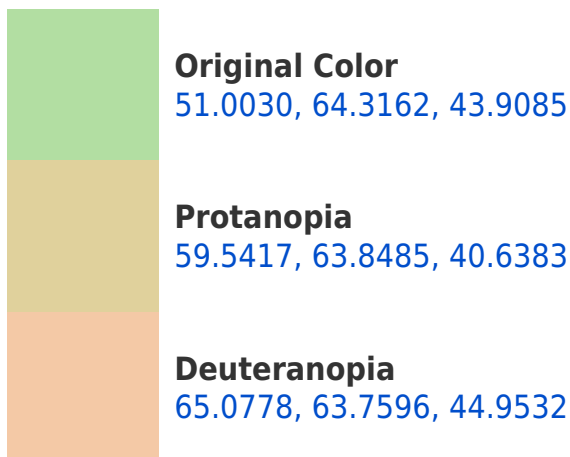
This preview shows how white text looks on a background with the XYZ color 51.0030, 64.3162,

43.9085.

# 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

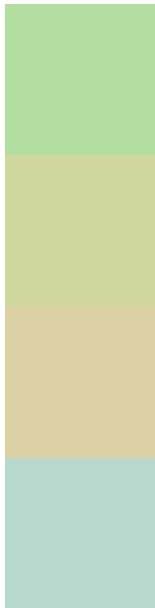




## Tritanopia

59.0634, 64.1205, 84.1264

# Trichromacy



## Original Color

51.0030, 64.3162, 43.9085

## Protanomaly

55.9502, 63.8272, 41.7187

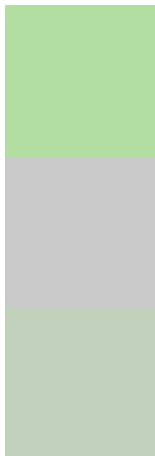
## Deuteranomaly

59.1072, 63.5332, 44.7452

## Tritanomaly

55.5829, 63.8338, 67.1492

# Monochromacy



## Original Color

51.0030, 64.3162, 43.9085

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

53.7624, 60.5262, 55.8629

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.0030, 64.3162, 43.9085 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, 222, 162)` looks like.

```
.text, #text, p{  
    color:rgb(178, 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(178, 222, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 222, 162) }
```

## Border

The CSS property to change the border of an element to XYZ 51.0030, 64.3162, 43.9085 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, 222, 162) }
```



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

```
.border{ border-color:rgb(178, 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(178, 222, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 222, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 222, 162);  
box-shadow:4px 4px 4px 4px rgb(178, 222,  
162) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.0030, 64.3162, 43.9085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 222, 162) }
```

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

```
.background{ background-color: rgb(178,  
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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