

# Converting Colors

XYZ(51.4399, 66.8692, 44.3692)

Have a look what the booklet for  
XYZ(51.4399, 66.8692, 44.3692)  
contains.

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# Color

**XYZ(51.4986, 66.9797,  
44.3965)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADE4A2
RGB	173, 228, 162
RGB Percent	68%, 89%, 64%
CMY	0.3216, 0.1059, 0.3647
CMYK	0.24, 0.00, 0.29, 0.11
HSL	110°, 55%, 76%
HSV	110°, 29%, 89%
XYZ	51.4986, 66.9797, 44.3965
YIQ	204.0310, -11.5940, -32.1860

# Conversions

## Conversions Part 2

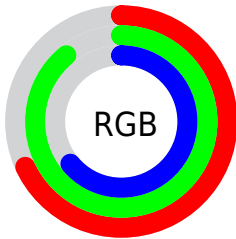
Format	Color
<a href="#">RYB</a>	<a href="#">162, 228, 217</a>
Decimal	<a href="#">11396258</a>
CIELab	<a href="#">85.49, -29.85, 26.68</a>
CIELCh	<a href="#">85, 40.039, 138.209</a>
Yxy	<a href="#">66.9797, 0.3162, 0.4112</a>
Android (android.graphics.Color)	<a href="#">4289586338 (0xFFADE4A2)</a>
YUV	<a href="#">204.0310, -20.7213, -27.2142</a>
Hunter-Lab	<a href="#">81.8411, -30.9007, 25.1256</a>

# Details

The XYZ color **51.4986, 66.9797, 44.3965** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **55.5420, 46.1957, 79.3916**, and the grayscale version is **57.5477, 60.5447, 65.9331**.

A 20% lighter version of the original color is **80.5975, 93.1878, 79.3847**, and **25.1747, 34.5528, 20.0944** is the 20% darker color. If you saturate the color by 10%, you get **45.7461, 64.2295, 34.4899**, and if you desaturate by 10%, it is **58.2196, 70.1907, 56.2694**.

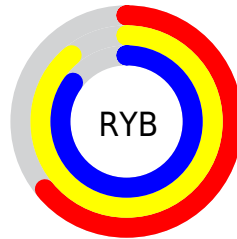
# Distribution



Red (68%)

Green (89%)

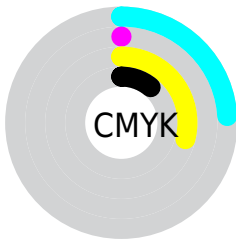
Blue (64%)



Red (64%)

Yellow (89%)

Blue (85%)

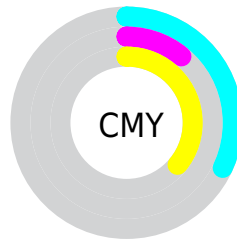


Cyan (24%)

Magenta (0%)

Yellow (29%)

Black (11%)



Cyan (32%)

Magenta (11%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.4986, 66.9797, 44.3965 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 51.4986, 66.9797, 44.3965 by changing the saturation by 10% instead.





 51.4986, 66.9797,  
44.3965


 51.4986, 66.9797,  
44.3965


382.8537,  
449.8725, 380.4124

 36.8282, 49.0681,  
30.6429


 91.5700, 114.8913,  
83.1229

 25.2476, 34.6735,  
20.0709


 117.7017,  
145.6602, 108.9327

 16.3913, 23.4115,  
12.2620


148.3846,  
181.4836, 139.5983

 9.8941, 14.8976,  
6.7977

183.9839,  
222.7459, 175.5383

 5.3905, 8.7476,  
3.2594

224.8652,  
269.8316, 217.1711

 2.5153, 4.5769,  
1.2285

271.3936,

 0.9030, 2.0012,

323.1249, 264.9154

0.0021

323.9347,  
383.0105, 319.1897

0.0000, 0.6082,  
0.0000

0.0000, 0.0000,  
0.0000

51.4986, 66.9797,  
44.3965

51.4986, 66.9797,  
44.3965

45.7461, 64.2295,  
34.4899

58.2196, 70.1907,  
56.2694

40.9121, 61.9106,  
26.4393

65.9459, 73.8734,  
70.2021

36.9495, 60.0034,  
20.1303

74.7188, 78.0490,  
86.2873

33.8052, 58.4831,  
15.4343

84.5755, 82.7350,  
104.6109

■ 31.4198, 57.3224,  
12.2046

■ 87.0347, 83.9695,  
106.2282

■ 29.7257, 56.4902,  
10.2680

■ 28.6327, 55.9458,  
9.3584

■ 28.5439, 55.9015,  
9.2856

# Harmonies

## Analogous

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



58.3547, 66.9797, 34.9624



51.4986, 66.9797, 44.3965



48.0384, 66.9797, 63.1708

# Triad

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



51.4986, 66.9797, 44.3965



60.1567, 66.9797, 133.7301



81.7522, 66.9797, 58.3780

# Complementary

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



51.4986, 66.9797, 44.3965



55.5420, 46.1957, 79.3916

# 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.



82.3521, 66.9797, 83.6448



51.4986, 66.9797, 44.3965



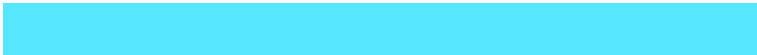
69.2821, 66.9797, 131.5687

# Square

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



51.4986, 66.9797, 44.3965



52.7094, 66.9797, 116.9838



77.6045, 66.9797, 111.6366



76.0360, 66.9797, 41.6102



# Rectangle

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



51.4986, 66.9797, 44.3965



47.8813, 66.9797, 80.3136



77.6045, 66.9797, 111.6366



82.5776, 66.9797, 66.0125

# Sweetspot

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



51.5003, 66.9826, 44.3980



84.8830, 95.1604, 90.2752



63.3322, 68.7315, 44.1119



17.8391, 20.2113, 18.7243



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

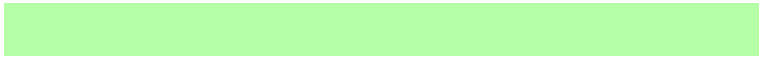


# Same Dimension

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



51.5003, 66.9826, 44.3980



61.5878, 84.0422, 48.9320



51.2975, 66.6319, 55.5066



14.4120, 16.2039, 15.2725



16.5481, 32.3123, 5.3647



1.2902, 2.4225, 0.3996



# Inverse Universe

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



55.5420, 46.1957, 79.3916



67.6191, 52.9491, 101.2640



56.0582, 46.7926, 64.4723



14.7470, 14.4873, 18.1634



20.4358, 9.6009, 43.1593



1.5730, 0.7419, 3.1923



# Previews

## White Background



This preview shows how the XYZ color 51.4986, 66.9797, 44.3965 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 51.4986, 66.9797, 44.3965 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 51.4986, 66.9797, 44.3965**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.4986, 66.9797, 44.3965.



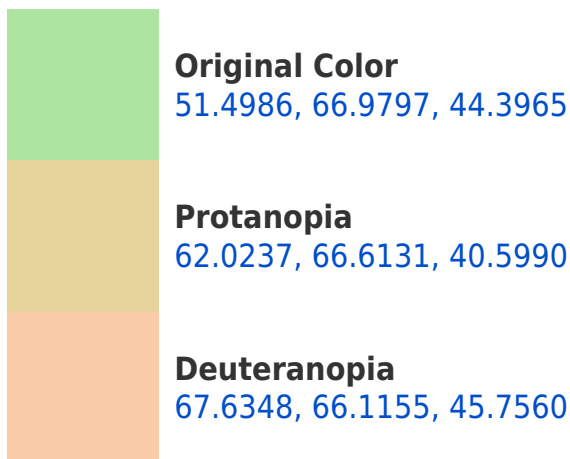
This preview shows how white text looks on a background with the XYZ color 51.4986, 66.9797,



# 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**

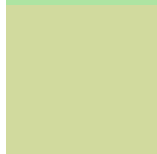
60.2193, 66.5132, 89.0213

# Trichromacy



## Original Color

51.4986, 66.9797, 44.3965



## Protanomaly

57.5375, 66.1667, 42.0867



## Deuteranomaly

60.4046, 65.6773, 45.0906



## Tritanomaly

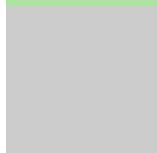
56.6860, 66.6698, 70.2025

# Monochromacy



## Original Color

51.4986, 66.9797, 44.3965



## Achromatopsia

57.3938, 60.3827, 65.7568



## Achromatomaly

54.9719, 62.6001, 57.3298

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.4986, 66.9797, 44.3965 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(173, 228, 162)` looks like.

```
.text, #text, p{  
    color:rgb(173, 228, 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(173, 228, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 228, 162) }
```

## Border

The CSS property to change the border of an element to XYZ 51.4986, 66.9797, 44.3965 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(173, 228, 162) }
```



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

```
.border{ border-color:rgb(173, 228, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 228, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 228, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 228, 162);  
box-shadow:4px 4px 4px 4px rgb(173, 228,  
162) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.4986, 66.9797, 44.3965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 228, 162) }
```

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

```
.background{ background-color: rgb(173,  
228, 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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