

# Converting Colors

XYZ(65.7320, 80.6009, 42.9189)

Have a look what the booklet for  
XYZ(65.7320, 80.6009, 42.9189)  
contains.

<b>XYZ(65.9913, 80.9148, 43.1504)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(65.9913, 80.9148,  
43.1504)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7F39B
RGB	215, 243, 155
RGB Percent	84%, 95%, 61%
CMY	0.1569, 0.0470, 0.3921
CMYK	0.12, 0.00, 0.36, 0.05
HSL	79°, 79%, 78%
HSV	79°, 36%, 95%
XYZ	65.9913, 80.9148, 43.1504
YIQ	224.5960, 11.5600, -33.3040

# Conversions

## Conversions Part 2

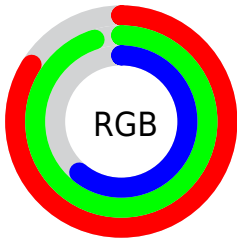
Format	Color
<a href="#">RYB</a>	<a href="#">155, 243, 183</a>
Decimal	<a href="#">14152603</a>
CIELab	<a href="#">92.09, -23.18, 39.46</a>
CIElCh	<a href="#">92, 45.766, 120.426</a>
Yxy	<a href="#">80.9148, 0.3472, 0.4257</a>
Android (android.graphics.Color)	<a href="#">4292342683</a> ( <a href="#">0xFFD7F39B</a> )
YUV	<a href="#">224.5960, -34.3108, -8.4157</a>
Hunter-Lab	<a href="#">89.9527, -26.4655, 34.5254</a>

# Details

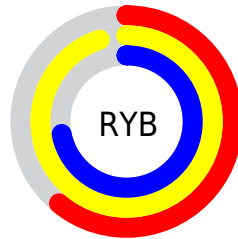
The XYZ color **65.9913, 80.9148, 43.1504** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **47.4307, 39.9833, 90.0163**, and the grayscale version is **71.5124, 75.2366, 81.9326**.

A 20% lighter version of the original color is **88.6329, 97.4331, 75.1078**, and **34.5166, 43.8908, 19.4845** is the 20% darker color. If you saturate the color by 10%, you get **61.9357, 79.0391, 33.3588**, and if you desaturate by 10%, it is **70.5691, 83.0173, 55.1134**.

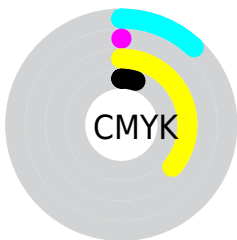
# Distribution



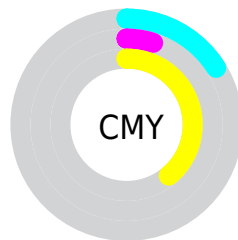
- Red (84%)
- Green (95%)
- Blue (61%)



- Red (61%)
- Yellow (95%)
- Blue (72%)



- Cyan (12%)
- Magenta (0%)
- Yellow (36%)
- Black (5%)




- Cyan (16%)
- Magenta (5%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.9913, 80.9148, 43.1504 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 65.9913, 80.9148, 43.1504 by changing the saturation by 10% instead.





 65.9913, 80.9148,  
43.1504


 65.9913, 80.9148,  
43.1504


435.8349,  
498.0104, 375.1693

 48.5330, 60.4714,  
29.6709


 112.5316,  
134.6511, 81.2266

 34.4622, 43.7987,  
19.3390


 142.3444,  
168.7129, 106.6603

 23.4135, 30.5123,  
11.7362


177.0061,  
208.0829, 136.9158

 15.0215, 20.2278,  
6.4439

216.8819,  
253.1455, 172.4116

 8.9209, 12.5607,  
3.0437

262.3374,  
304.2852, 213.5664

 4.7463, 7.1268,  
1.1170

313.7378,

 2.1324, 3.5415,

361.8863, 260.7985

0.0000

371.4485,  
426.3333, 314.5267

0.7067, 1.4205,  
0.0000

0.0000, 0.2318,  
0.0000

65.9913, 80.9148,  
43.1504

65.9913, 80.9148,  
43.1504

61.9357, 79.0391,  
33.3588

70.5691, 83.0173,  
55.1134

58.3698, 77.3689,  
25.6027

75.6871, 85.3456,  
69.3622

55.2669, 75.8958,  
19.7393

81.3697, 87.9125,  
86.0094

52.5942, 74.6067,  
15.6049

87.6381, 90.7267,  
105.1589

■ 50.3140, 73.4863,  
13.0083

■ 90.8534, 92.3326,  
107.6412

■ 48.3793, 72.5157,  
11.7112

■ 91.3423, 92.5846,  
107.6641

■ 47.7097, 72.1763,  
11.4169

# Harmonies

## Analogous

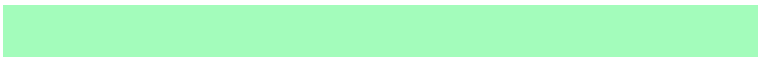
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.7385, 80.9148, 37.8323



65.9913, 80.9148, 43.1504



58.8325, 80.9148, 59.7947

# Triad

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



65.9913, 80.9148, 43.1504



66.2555, 80.9148, 157.4664



101.8683, 80.9148, 87.6202

# Complementary

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



65.9913, 80.9148, 43.1504



47.4307, 39.9833, 90.0163

# 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.



98.3494, 80.9148, 124.1749



65.9913, 80.9148, 43.1504



77.0759, 80.9148, 170.2479

# Square

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



65.9913, 80.9148, 43.1504



58.9737, 80.9148, 125.2297



88.9648, 80.9148, 156.7559



98.1508, 80.9148, 59.1508



# Rectangle

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



65.9913, 80.9148, 43.1504



56.6544, 80.9148, 77.7428



88.9648, 80.9148, 156.7559



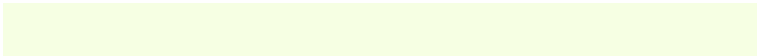
101.4889, 80.9148, 99.3439

# Sweetspot

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



65.9933, 80.9184, 43.1521



87.6501, 96.6694, 86.6763



59.7875, 55.2359, 38.5220



18.5772, 20.6083, 18.0160



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

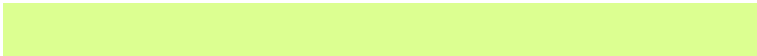


# Same Dimension

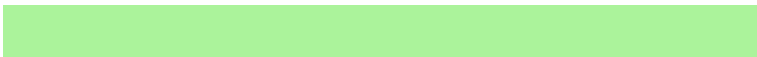
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.9933, 80.9184, 43.1521



70.4451, 88.8073, 40.3585



54.7933, 75.1446, 42.6280



17.3719, 19.0338, 17.5559



26.3296, 39.6862, 6.2725



2.4205, 3.5429, 0.5563



# Inverse Universe

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



47.4307, 39.9833, 90.0163



47.1083, 37.3106, 99.3265



59.5385, 46.2251, 90.5829



16.0775, 16.1826, 20.8187



10.6967, 4.4887, 46.8406

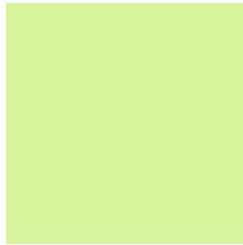


1.0424, 0.4472, 4.1216



# Previews

## White Background



This preview shows how the XYZ color 65.9913, 80.9148, 43.1504 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 65.9913, 80.9148, 43.1504 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

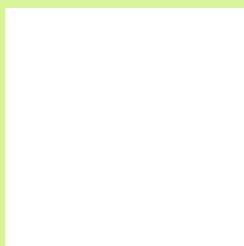
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 65.9913, 80.9148, 43.1504

## Background



This preview shows how black text looks on a background with the XYZ color 65.9913, 80.9148, 43.1504.



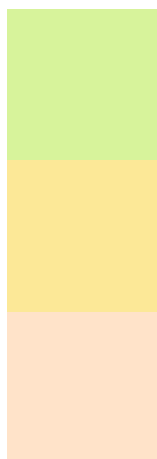
This preview shows how white text looks on a background with the XYZ color 65.9913, 80.9148,



# 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

65.9913, 80.9148, 43.1504

### Protanopia

74.5874, 80.6430, 40.9126

### Deuteranopia

79.2517, 80.4152, 66.6030



## Tritanopia

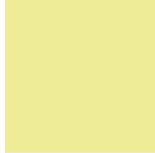
77.8261, 80.5479, 101.8879

# Trichromacy



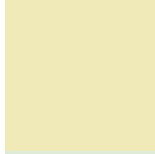
## Original Color

65.9913, 80.9148, 43.1504



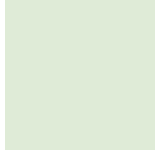
## Protanomaly

71.2596, 80.6086, 41.5090



## Deuteranomaly

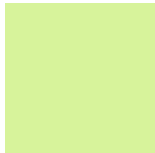
73.7258, 80.2638, 56.9541



## Tritanomaly

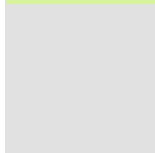
72.4055, 80.0109, 75.9175

# Monochromacy



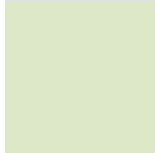
## Original Color

65.9913, 80.9148, 43.1504



## Achromatopsia

71.5672, 75.2942, 81.9954



## Achromatomaly

69.1007, 77.2555, 65.9134

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.9913, 80.9148, 43.1504 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(215, 243, 155)` looks like.

```
.text, #text, p{  
    color:rgb(215, 243, 155)  
}
```

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(215, 243, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 243, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 65.9913, 80.9148, 43.1504 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(215, 243, 155) }
```



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

```
.border{ border-color:rgb(215, 243, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 243, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 243, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 243, 155);  
box-shadow:4px 4px 4px 4px rgb(215, 243,  
155) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.9913, 80.9148, 43.1504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 243, 155) }
```

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

```
.background{ background-color: rgb(215,  
243, 155) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor