

# Converting Colors

XYZ(53.6300, 81.3337, 25.8070)

Have a look what the booklet for  
XYZ(53.6300, 81.3337, 25.8070)  
contains.

<b>XYZ(53.1085, 80.1807, 25.5093)</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(53.1085, 80.1807,  
25.5093)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2FF67
RGB	162, 255, 103
RGB Percent	64%, 100%, 40%
CMY	0.3647, 0.0000, 0.5961
CMYK	0.36, 0.00, 0.60, 0.00
HSL	97°, 100%, 70%
HSV	97°, 60%, 100%
XYZ	53.1085, 80.1807, 25.5093
YIQ	209.8650, -6.6360, -66.9880

# Conversions

## Conversions Part 2

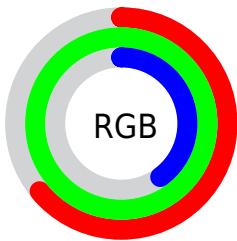
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">103, 255, 196</a>
Decimal	<a href="#">10682215</a>
CIELab	<a href="#">91.77, -52.68, 62.51</a>
CIElCh	<a href="#">92, 81.749, 130.125</a>
Yxy	<a href="#">80.1807, 0.3344, 0.5049</a>
Android (android.graphics.Color)	<a href="#">4288872295 (0xFFA2FF67)</a>
YUV	<a href="#">209.8650, -52.6844, -41.9776</a>
Hunter-Lab	<a href="#">89.5437, -50.8328, 45.7900</a>

# Details

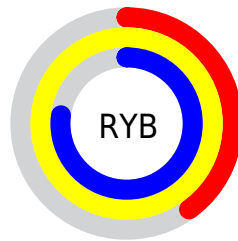
The XYZ color **53.1085, 80.1807, 25.5093** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **45.6668, 28.6578, 97.7323**, and the grayscale version is **61.5078, 64.7110, 70.4703**.

A 20% lighter version of the original color is **71.8368, 89.3954, 46.2697**, and **26.3961, 43.5285, 9.5954** is the 20% darker color. If you saturate the color by 10%, you get **49.0423, 78.2105, 19.6263**, and if you desaturate by 10%, it is **57.9586, 82.5099, 33.4679**.

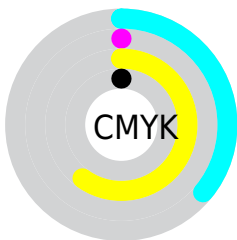
# Distribution



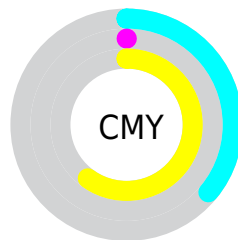
- Red (64%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (77%)



- Cyan (36%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (36%)
- Magenta (0%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.1085, 80.1807, 25.5093 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 53.1085, 80.1807, 25.5093 by changing the saturation by 10% instead.





 53.1085, 80.1807,  
25.5093

 53.1085, 80.1807,  
25.5093


388.9553,  
495.5416, 293.8933


 38.1172, 59.8671,  
16.2344


 93.9286, 133.6198,  
53.4566


 26.2513, 43.3115,  
9.5341


 120.4881,  
167.5140, 72.9661

 17.1454, 30.1296,  
4.9896


 151.6344,  
206.7038, 96.7242

 10.4342, 19.9370,  
2.1825

 187.7329,  
251.5737, 125.1495

 5.7522, 12.3492,  
0.6643

229.1489,  
302.5080, 158.6606

 2.7342, 6.9820,  
0.0000

276.2477,

 1.0148, 3.4508,

359.8912, 197.6759

0.0000

329.3947,  
424.1076, 242.6139

0.0000, 1.3714,  
0.0000

0.0000, 0.1955,  
0.0000

53.1085, 80.1807,  
25.5093

53.1085, 80.1807,  
25.5093

49.0423, 78.2105,  
19.6263

57.9586, 82.5099,  
33.4679

45.7083, 76.5769,  
15.6211

63.6377, 85.2177,  
43.6684

43.0477, 75.2548,  
13.2639

70.1878, 88.3224,  
56.2645

40.9758, 74.2082,  
12.1928

77.6476, 91.8409,  
71.3951

■ 40.9029, 74.1713,  
12.1607

■ 86.0532, 95.7890,  
89.1886

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



69.3526, 80.1807, 15.9033



53.1085, 80.1807, 25.5093



44.2868, 80.1807, 53.6946

# Triad

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



53.1085, 80.1807, 25.5093



63.3322, 80.1807, 246.6991



123.0781, 80.1807, 68.5720

# Complementary

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



53.1085, 80.1807, 25.5093



45.6668, 28.6578, 97.7323

# 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.



120.6576, 80.1807, 132.6317



53.1085, 80.1807, 25.5093



83.5038, 80.1807, 256.9707

# Square

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



53.1085, 80.1807, 25.5093



49.3974, 80.1807, 184.6141



105.1922, 80.1807, 208.3840



111.3019, 80.1807, 32.1066



# Rectangle

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



53.1085, 80.1807, 25.5093



42.6387, 80.1807, 87.5546



105.1922, 80.1807, 208.3840



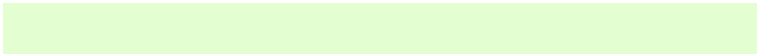
123.9425, 80.1807, 87.0522

# Sweetspot

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



53.1087, 80.1808, 25.5105



78.9330, 92.4456, 74.0701



63.0252, 60.9128, 21.2687



16.4003, 19.5544, 14.8275



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.



53.1087, 80.1808, 25.5105



48.1796, 77.7896, 18.5043



44.6362, 75.7167, 29.4654



18.4383, 20.5118, 19.1317



21.5273, 38.8358, 6.3615



2.2139, 3.8421, 0.6249



# Inverse Universe

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



45.6668, 28.6578, 97.7323



40.0331, 21.9355, 96.7317



61.7892, 37.2408, 86.2143



18.0700, 17.9278, 22.7580



16.7701, 7.5558, 50.0091

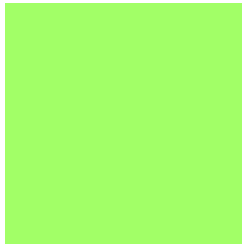


1.7552, 0.7988, 4.8749



# Previews

## White Background



This preview shows how the XYZ color 53.1085, 80.1807, 25.5093 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 53.1085, 80.1807, 25.5093 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

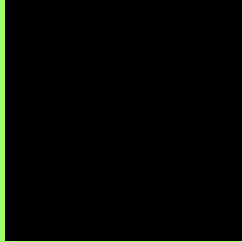
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

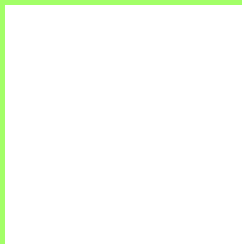
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 53.1085, 80.1807, 25.5093

## Background



This preview shows how black text looks on a background with the XYZ color 53.1085, 80.1807, 25.5093.



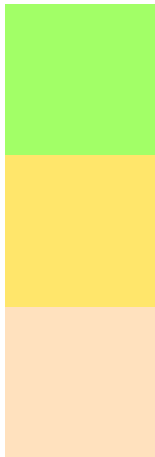
This preview shows how white text looks on a background with the XYZ color 53.1085, 80.1807,



# 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

53.1085, 80.1807, 25.5093

### Protanopia

72.1907, 78.9152, 25.3372

### Deuteranopia

77.4595, 78.8281, 59.8480



## Tritanopia

70.3628, 79.5755, 106.2588

# Trichromacy



## Original Color

53.1085, 80.1807, 25.5093



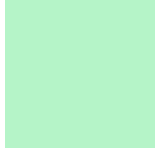
## Protanomaly

63.2868, 78.1458, 25.3837



## Deuteranomaly

65.9858, 77.8317, 43.8929



## Tritanomaly

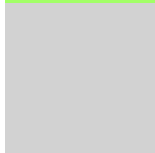
61.8321, 78.6953, 66.5744

# Monochromacy



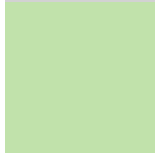
## Original Color

53.1085, 80.1807, 25.5093



## Achromatopsia

61.2578, 64.4480, 70.1838



## Achromatomaly

56.5394, 68.6704, 48.8029

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.1085, 80.1807, 25.5093 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(162, 255, 103)` looks like.

```
.text, #text, p{  
    color:rgb(162, 255, 103)  
}
```

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(162, 255, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 255, 103) }
```

## Border

The CSS property to change the border of an element to XYZ 53.1085, 80.1807, 25.5093 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(162, 255, 103) }
```



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

```
.border{ border-color:rgb(162, 255, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 255, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 255, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 255, 103);  
box-shadow:4px 4px 4px 4px rgb(162, 255,  
103) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.1085, 80.1807, 25.5093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 255, 103) }
```

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

```
.background{ background-color: rgb(162,  
255, 103) }
```

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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