

# Converting Colors

XYZ(61.8270, 91.9888, 35.7679)

Have a look what the booklet for  
XYZ(61.8270, 91.9888, 35.7679)  
contains.

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# Color

**XYZ(56.8025, 81.9024,  
33.9340)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACFF82
RGB	172, 255, 130
RGB Percent	67%, 100%, 51%
CMY	0.3255, 0.0000, 0.4902
CMYK	0.33, 0.00, 0.49, 0.00
HSL	100°, 100%, 75%
HSV	100°, 49%, 100%
XYZ	56.8025, 81.9024, 33.9340
YIQ	215.9330, -9.3430, -56.4710

# Conversions

## Conversions Part 2

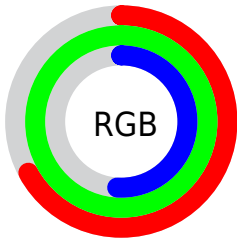
Format	Color
<a href="#">RYB</a>	<a href="#">130, 255, 213</a>
Decimal	<a href="#">11337602</a>
CIELab	<a href="#">92.53, -46.65, 51.53</a>
CIELCh	<a href="#">93, 69.506, 132.157</a>
Yxy	<a href="#">81.9024, 0.3290, 0.4744</a>
Android (android.graphics.Color)	<a href="#">4289527682 (0xFFACFF82)</a>
YUV	<a href="#">215.9330, -42.3650, -38.5292</a>
Hunter-Lab	<a href="#">90.4999, -46.3390, 41.1185</a>

# Details

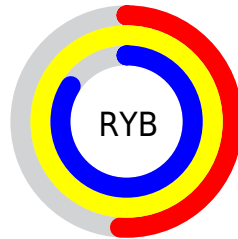
The XYZ color **56.8025, 81.9024, 33.9340** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **53.4746, 37.3328, 98.9953**, and the grayscale version is **65.5083, 68.9199, 75.0537**.

A 20% lighter version of the original color is **77.1501, 91.8458, 59.5607**, and **28.6039, 44.5688, 14.1162** is the 20% darker color. If you saturate the color by 10%, you get **51.8149, 79.5050, 25.8462**, and if you desaturate by 10%, it is **62.6883, 84.7137, 44.2798**.

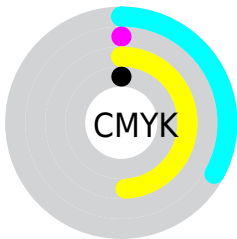
# Distribution



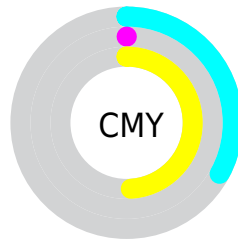
- Red (67%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (84%)



- Cyan (33%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)




- Cyan (33%)
- Magenta (0%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.8025, 81.9024, 33.9340 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 56.8025, 81.9024, 33.9340 by changing the saturation by 10% instead.





 56.8025, 81.9024,  
33.9340


 56.8025, 81.9024,  
33.9340


402.7350,  
501.3212, 334.5978


 41.0862, 61.2851,  
22.5659


 99.3100, 136.0371,  
66.9637

 28.5744, 44.4553,  
14.0711


 126.8319,  
170.3233, 89.4625

 18.9018, 31.0286,  
8.0308


 159.0197,  
209.9346, 116.5086

 11.7029, 20.6206,  
4.0266

196.2388,  
255.2554, 148.5206

 6.6125, 12.8470,  
1.6399

238.8545,  
306.6700, 185.9169

 3.2651, 7.3233,  
0.3191

287.2322,

 1.2955, 3.6651,

364.5629, 229.1162

0.0000

341.7373,  
429.3185, 278.5370

■ 0.1798, 1.4880,  
0.0000

■ 0.0000, 0.2803,  
0.0000

■ 56.8025, 81.9024,  
33.9340

■ 56.8025, 81.9024,  
33.9340

■ 51.8149, 79.5050,  
25.8462

■ 62.6883, 84.7137,  
44.2798

■ 47.6750, 77.4994,  
19.8439

■ 69.5170, 87.9588,  
57.0317

■ 44.3279, 75.8613,  
15.7356

■ 77.3309, 91.6566,  
72.3294

■ 41.7100, 74.5631,  
13.2926

■ 86.1695, 95.8244,  
90.3008

■ 39.7358, 73.5680, 95.0500, 100.0000,  
12.1776 108.9000

■ 39.5680, 73.4831,  
12.0982

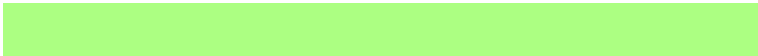
# Harmonies

## Analogous

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



70.7648, 81.9024, 23.0379



56.8025, 81.9024, 33.9340



49.2675, 81.9024, 62.0630

# Triad

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



56.8025, 81.9024, 33.9340



67.6906, 81.9024, 221.1598



116.9313, 81.9024, 69.8446

# Complementary

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



56.8025, 81.9024, 33.9340



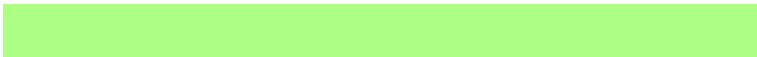
53.4746, 37.3328, 98.9953

# Split Complementary

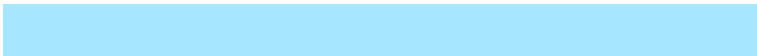
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



115.7668, 81.9024, 123.2235



56.8025, 81.9024, 33.9340



85.3841, 81.9024, 225.8670

# Square

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



56.8025, 81.9024, 33.9340



54.8527, 81.9024, 173.8832



103.5337, 81.9024, 184.9901

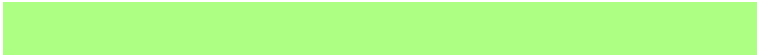


106.5050, 81.9024, 37.7272



# Rectangle

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



56.8025, 81.9024, 33.9340



48.0653, 81.9024, 92.9708



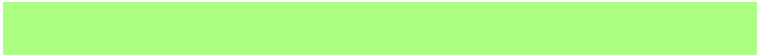
103.5337, 81.9024, 184.9901



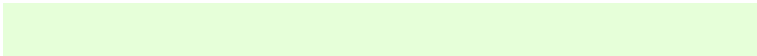
117.9225, 81.9024, 85.4893

# Sweetspot

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



56.8028, 81.9025, 33.9352



80.7572, 93.2739, 79.2226



68.6262, 69.5852, 30.9346



16.8962, 19.7808, 16.1712



0.0000, 0.0000, 0.0000

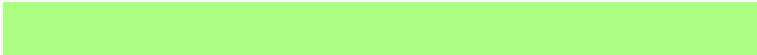


20.3446, 21.4041, 23.3091



# Same Dimension

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



56.8028, 81.9025, 33.9352



51.8232, 79.5090, 25.8591



50.3715, 78.4281, 40.8137



18.3466, 20.4646, 19.1274



20.8165, 38.4694, 6.3282



2.1375, 3.8027, 0.6213



# Inverse Universe

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



53.4746, 37.3328, 98.9953



48.0816, 30.1330, 97.8898



64.3998, 43.2969, 84.5107



18.1651, 17.9768, 22.7624



18.1829, 8.2841, 50.0752

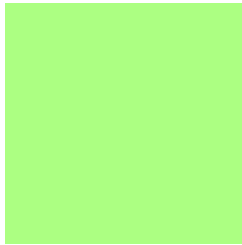


1.8868, 0.8666, 4.8811



# Previews

## White Background



This preview shows how the XYZ color 56.8025, 81.9024, 33.9340 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

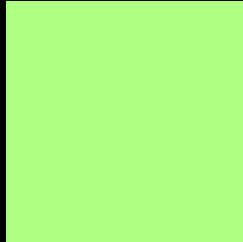
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.8025, 81.9024, 33.9340 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

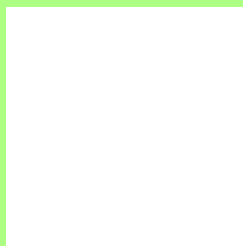
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 56.8025, 81.9024, 33.9340

## Background



This preview shows how black text looks on a background with the XYZ color 56.8025, 81.9024, 33.9340.



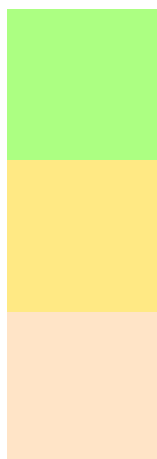
This preview shows how white text looks on a background with the XYZ color 56.8025, 81.9024,

33.9340.

# 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

56.8025, 81.9024, 33.9340

### Protanopia

74.5438, 81.2038, 33.5748

### Deuteranopia

79.2922, 80.8703, 65.4632



## Tritanopia

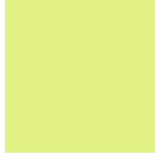
73.0039, 81.3705, 106.4661

# Trichromacy



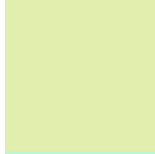
## Original Color

56.8025, 81.9024, 33.9340



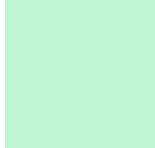
## Protanomaly

66.6034, 80.5568, 33.5114



## Deuteranomaly

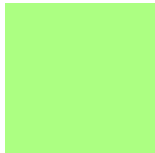
69.2659, 80.2126, 51.8763



## Tritanomaly

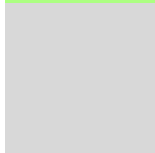
65.5205, 80.9051, 73.1357

# Monochromacy



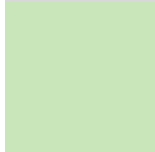
## Original Color

56.8025, 81.9024, 33.9340



## Achromatopsia

65.2694, 68.6685, 74.7800



## Achromatomaly

60.8732, 72.3758, 56.6605

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.8025, 81.9024, 33.9340 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(172, 255, 130)` looks like.

```
.text, #text, p{  
    color:rgb(172, 255, 130)  
}
```

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(172, 255, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 130) }
```

## Border

The CSS property to change the border of an element to XYZ 56.8025, 81.9024, 33.9340 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(172, 255, 130) }
```



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

```
.border{ border-color:rgb(172, 255, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 255, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 255, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 255, 130);  
box-shadow:4px 4px 4px 4px rgb(172, 255,  
130) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.8025, 81.9024, 33.9340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 255, 130) }
```

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

```
.background{ background-color: rgb(172,  
255, 130) }
```

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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