

# Converting Colors

XYZ(61.9568, 84.1037, 54.7699)

Have a look what the booklet for  
XYZ(61.9568, 84.1037, 54.7699)  
contains.

<b>XYZ(61.8273, 84.0414, 54.5580)</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(61.8273, 84.0414,  
54.5580)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1FFB1
RGB	177, 255, 177
RGB Percent	69%, 100%, 69%
CMY	0.3059, 0.0000, 0.3059
CMYK	0.31, 0.00, 0.31, 0.00
HSL	120°, 100%, 85%
HSV	120°, 31%, 100%
XYZ	61.8273, 84.0414, 54.5580
YIQ	222.7860, -21.4500, -40.7940

# Conversions

## Conversions Part 2

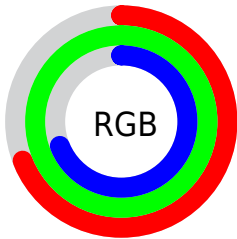
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">177, 255, 255</a>
Decimal	<a href="#">11665329</a>
CIELab	<a href="#">93.47, -38.62, 29.89</a>
CIELCh	<a href="#">93, 48.831, 142.265</a>
Yxy	<a href="#">84.0414, 0.3085, 0.4193</a>
Android (android.graphics.Color)	<a href="#">4289855409 (0xFFB1FFB1)</a>
YUV	<a href="#">222.7860, -22.5725, -40.1543</a>
Hunter-Lab	<a href="#">91.6741, -40.0448, 28.8866</a>

# Details

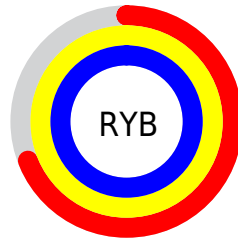
The XYZ color **61.8273, 84.0414, 54.5580** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **75.0122, 59.9248, 102.2198**, and the grayscale version is **70.1531, 73.8065, 80.3753**.

A 20% lighter version of the original color is **84.3997, 94.8956, 90.9591**, and **31.8582, 45.9810, 26.2649** is the 20% darker color. If you saturate the color by 10%, you get **54.2426, 80.3981, 42.1523**, and if you desaturate by 10%, it is **70.9733, 88.4347, 69.5183**.

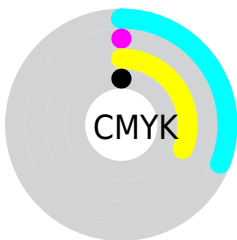
# Distribution



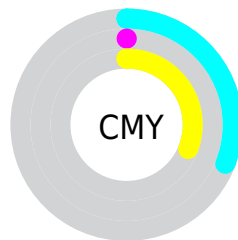
- Red (69%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)




- Cyan (31%)
- Magenta (0%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.8273, 84.0414, 54.5580 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 61.8273, 84.0414, 54.5580 by changing the saturation by 10% instead.




 61.8273, 84.0414,  
54.5580

 61.8273, 84.0414,  
54.5580


421.0285,  
508.4507, 421.4689

 45.1482, 63.0496,  
38.6517


 106.5672,  
139.0331, 98.3577

 31.7760, 45.8814,  
26.1832


135.3588,  
173.8018, 127.0882

 21.3452, 32.1522,  
16.7337


168.9186,  
213.9316, 160.9306

 13.4904, 21.4778,  
9.8849

207.6120,  
259.8068, 200.3033

 7.8464, 13.4737,  
5.2181

251.8043,  
311.8120, 245.6250

 4.0478, 7.7555,  
2.3148


301.8610,


 1.7292, 3.9389,


370.3314, 297.3141

0.7395


358.1472,  
435.7495, 355.7892

 0.4745, 1.6395,  
0.0000


 0.0000, 0.3840,  
0.0000


 61.8273, 84.0414,  
54.5580

 61.8273, 84.0414,  
54.5580


 54.2426, 80.3981,  
42.1523


 70.9733, 88.4347,  
69.5183


 48.1305, 77.4622,  
32.1548

 81.7592, 93.6157,  
87.1606

 43.3959, 75.1879,  
24.4103

 94.2604, 99.6207,  
107.6085

 39.9319, 73.5240,  
18.7443

 95.0500, 100.0000,  
108.9000

■ 37.6160, 72.4115,  
14.9561

■ 36.3016, 71.7802,  
12.8061

■ 35.7600, 71.5200,  
11.9201

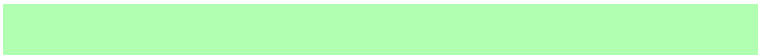
# Harmonies

## Analogous

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



70.8461, 84.0414, 40.2589



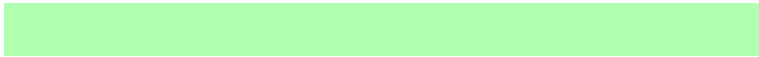
61.8273, 84.0414, 54.5580



57.7385, 84.0414, 82.2761

# Triad

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



61.8273, 84.0414, 54.5580



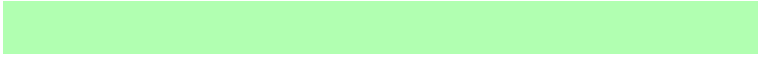
76.5871, 84.0414, 181.4706



105.0981, 84.0414, 67.1481

# Complementary

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



61.8273, 84.0414, 54.5580



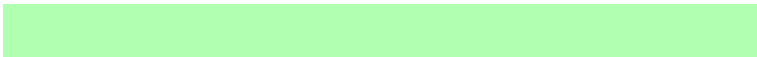
75.0122, 59.9248, 102.2198

# 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.



107.0593, 84.0414, 101.4033



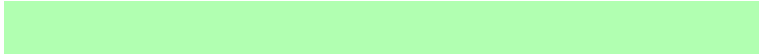
61.8273, 84.0414, 54.5580



89.6484, 84.0414, 174.2307

# Square

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



61.8273, 84.0414, 54.5580



65.6419, 84.0414, 159.9537



101.1408, 84.0414, 142.2215

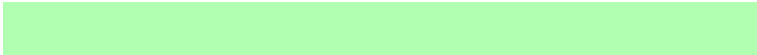


96.0384, 84.0414, 46.0459



# Rectangle

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



61.8273, 84.0414, 54.5580



58.0130, 84.0414, 107.4390



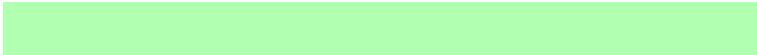
101.1408, 84.0414, 142.2215



106.6461, 84.0414, 77.2331

# Sweetspot

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



61.8278, 84.0417, 54.5593



83.6276, 94.5132, 90.2167



84.9360, 95.9544, 55.6401



17.5329, 20.0535, 18.7101



0.0000, 0.0000, 0.0000

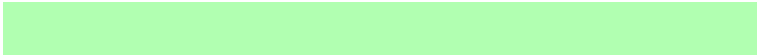


20.3446, 21.4041, 23.3091

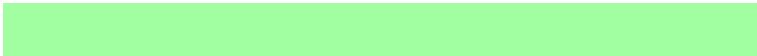


# Same Dimension

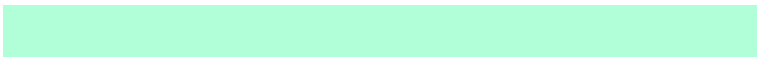
The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.8278, 84.0417, 54.5593



56.7898, 81.6217, 46.3187



66.2865, 85.8252, 78.0385



17.7717, 20.1682, 19.1006



18.6854, 37.3707, 6.2285



1.8193, 3.6387, 0.6065



# Inverse Universe

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



75.0122, 59.9248, 102.2198



71.9736, 53.8475, 101.2067



69.3572, 57.6627, 72.4407



18.7927, 18.3004, 22.7917



30.9800, 14.8813, 50.6725

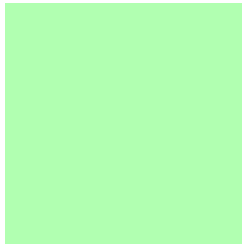


3.0164, 1.4489, 4.9338



# Previews

## White Background



This preview shows how the XYZ color 61.8273, 84.0414, 54.5580 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 61.8273, 84.0414, 54.5580 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

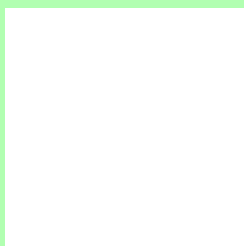
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 61.8273, 84.0414, 54.5580

## Background



This preview shows how black text looks on a background with the XYZ color 61.8273, 84.0414, 54.5580.



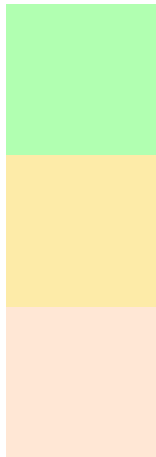
This preview shows how white text looks on a background with the XYZ color 61.8273, 84.0414,

54.5580.

# 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

61.8273, 84.0414, 54.5580

### Protanopia

77.2842, 83.1265, 49.0175

### Deuteranopia

81.8262, 83.2159, 74.7004



## Tritanopia

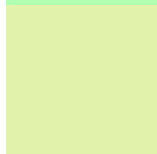
75.2374, 83.3960, 106.7393

# Trichromacy



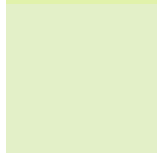
## Original Color

61.8273, 84.0414, 54.5580



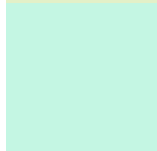
## Protanomaly

70.1542, 82.4521, 50.7454



## Deuteranomaly

73.2640, 82.8212, 66.7682



## Tritanomaly

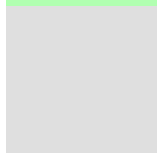
69.5858, 83.1933, 85.0634

# Monochromacy



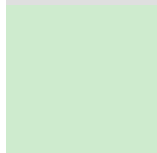
## Original Color

61.8273, 84.0414, 54.5580



## Achromatopsia

70.1384, 73.7910, 80.3584



## Achromatomaly

66.3025, 76.9947, 69.7595

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.8273, 84.0414, 54.5580 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(177, 255, 177)` looks like.

```
.text, #text, p{  
    color:rgb(177, 255, 177)  
}
```

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(177, 255, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 61.8273, 84.0414, 54.5580 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(177, 255, 177) }
```



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

```
.border{ border-color:rgb(177, 255, 177) }
```

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

Here you see how a box with a 4 pixel rgb(177, 255, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 177);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
177) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.8273, 84.0414, 54.5580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 177) }
```

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

```
.background{ background-color: rgb(177,  
255, 177) }
```

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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