

# Converting Colors

XYZ(56.9365, 78.3975, 47.7287)

Have a look what the booklet for  
XYZ(56.9365, 78.3975, 47.7287)  
contains.

<b>XYZ(56.9365, 78.3975, 47.7287)</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(56.9365, 78.3975,  
47.7287)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAF8A5
RGB	170, 248, 165
RGB Percent	67%, 97%, 65%
CMY	0.3333, 0.0274, 0.3529
CMYK	0.31, 0.00, 0.33, 0.03
HSL	116°, 86%, 81%
HSV	116°, 33%, 97%
XYZ	56.9365, 78.3975, 47.7287
YIQ	215.2160, -19.8450, -42.3490

# Conversions

## Conversions Part 2

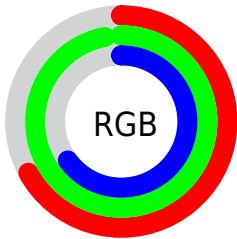
Format	Color
<a href="#">RYB</a>	<a href="#">165, 248, 243</a>
Decimal	<a href="#">11204773</a>
CIELab	<a href="#">90.96, -39.55, 32.49</a>
CIELCh	<a href="#">91, 51.182, 140.598</a>
Yxy	<a href="#">78.3975, 0.3110, 0.4283</a>
Android (android.graphics.Color)	<a href="#">4289394853 (0xFFAAF8A5)</a>
YUV	<a href="#">215.2160, -24.7565, -39.6544</a>
Hunter-Lab	<a href="#">88.5424, -40.1661, 30.0194</a>

# Details

The XYZ color **56.9365, 78.3975, 47.7287** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **67.3642, 52.7447, 95.4414**, and the grayscale version is **64.9115, 68.2920, 74.3700**.

A 20% lighter version of the original color is **80.4897, 93.0714, 82.1289**, and **28.6257, 42.0763, 21.9420** is the 20% darker color. If you saturate the color by 10%, you get **50.2953, 75.2122, 36.7557**, and if you desaturate by 10%, it is **64.9126, 82.2250, 61.0522**.

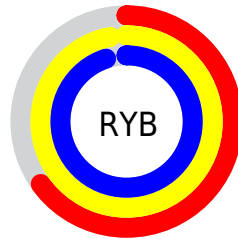
# Distribution



Red (67%)

Green (97%)

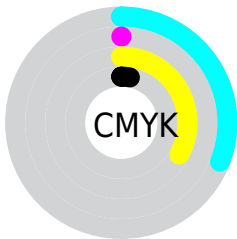
Blue (65%)



Red (65%)

Yellow (97%)

Blue (95%)

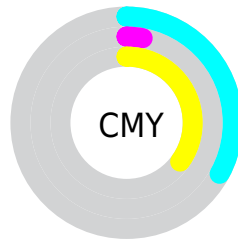


Cyan (31%)

Magenta (0%)

Yellow (33%)

Black (3%)



Cyan (33%)

Magenta (3%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.9365, 78.3975, 47.7287 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 56.9365, 78.3975, 47.7287 by changing the saturation by 10% instead.





 56.9365, 78.3975,  
47.7287


 56.9365, 78.3975,  
47.7287


403.2294,  
489.5157, 394.1934

 41.1942, 58.4006,  
33.2536


 99.5044, 131.1103,  
88.1617

 28.6592, 42.1308,  
22.0481


 127.0608,  
164.5950, 114.9566

 18.9661, 29.2037,  
13.6936


159.2858,  
203.3444, 146.6953

 11.7497, 19.2350,  
7.7716

196.5449,  
247.7429, 183.7963

 6.6444, 11.8402,  
3.8635

239.2035,  
298.1749, 226.6780

 3.2851, 6.6349,  
1.5507


287.6269,


 1.3063, 3.2349,


355.0247, 275.7591


0.2553


342.1804,  
418.6769, 331.4580


 0.1879, 1.2555,  
0.0000


 0.0000, 0.1064,  
0.0000

 56.9365, 78.3975,  
47.7287


 56.9365, 78.3975,  
47.7287


 50.2953, 75.2122,  
36.7557


 64.9126, 82.2250,  
61.0522


 44.9105, 72.6246,  
27.9920

 74.2848, 86.7167,  
76.8460

 40.7045, 70.6003,  
21.2894

 85.1175, 91.9055,  
95.2281

 37.5887, 69.0973,  
16.4795

 92.8590, 95.6180,  
108.1697

■ 35.4620, 68.0676,  
13.3672

■ 34.2041, 67.4544,  
11.7153

■ 33.7649, 67.2390,  
11.1988

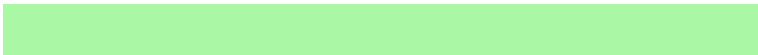
# Harmonies

## Analogous

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



66.1204, 78.3975, 34.6197



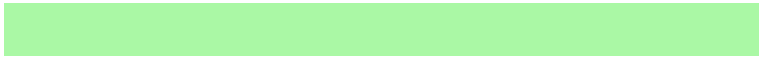
56.9365, 78.3975, 47.7287



52.6150, 78.3975, 74.2695

# Triad

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



56.9365, 78.3975, 47.7287



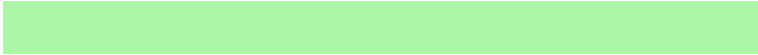
70.5335, 78.3975, 176.4298



100.2420, 78.3975, 62.7197

# Complementary

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



56.9365, 78.3975, 47.7287



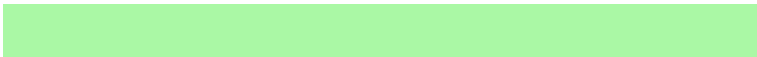
67.3642, 52.7447, 95.4414

# 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.



101.7768, 78.3975, 97.5064



56.9365, 78.3975, 47.7287



83.5905, 78.3975, 170.6706

# Square

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



56.9365, 78.3975, 47.7287



59.8460, 78.3975, 152.8991



95.3823, 78.3975, 138.8895

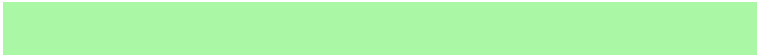


91.4030, 78.3975, 41.3788



# Rectangle

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



56.9365, 78.3975, 47.7287



52.6864, 78.3975, 99.1114



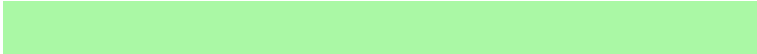
95.3823, 78.3975, 138.8895



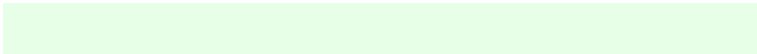
101.6661, 78.3975, 72.9461

# Sweetspot

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



56.9385, 78.4008, 47.7304



82.9393, 94.2000, 88.3063



77.3977, 86.4595, 48.2076



17.4156, 20.0013, 18.3304



0.0000, 0.0000, 0.0000

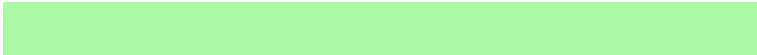


20.3446, 21.4041, 23.3091

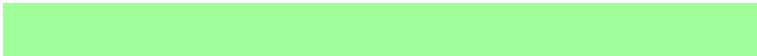


# Same Dimension

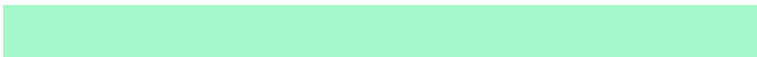
The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.9385, 78.4008, 47.7304



55.8361, 81.2054, 42.8683



59.6257, 79.3532, 67.4142



17.1141, 19.3591, 18.2971



18.2760, 36.3399, 6.0511



1.7256, 3.3827, 0.5620



# Inverse Universe

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



67.3642, 52.7447, 95.4414



68.4574, 50.1161, 100.6730



64.0572, 51.6239, 68.9003



17.8837, 17.4682, 21.8144



27.3610, 13.0478, 49.0499

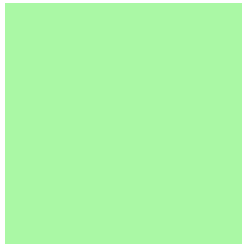


2.5645, 1.2241, 4.5443



# Previews

## White Background



This preview shows how the XYZ color 56.9365, 78.3975, 47.7287 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 56.9365, 78.3975, 47.7287 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 56.9365, 78.3975, 47.7287**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.9365, 78.3975, 47.7287.



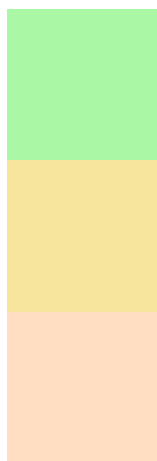
This preview shows how white text looks on a background with the XYZ color 56.9365, 78.3975,

47.7287.

# 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

56.9365, 78.3975, 47.7287

### Protanopia

72.1870, 77.6953, 43.0903

### Deuteranopia

77.0989, 77.3976, 61.9146



## Tritanopia

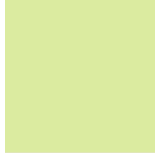
68.7845, 77.9023, 106.0191

# Trichromacy



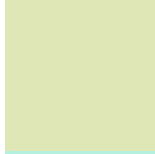
## Original Color

56.9365, 78.3975, 47.7287



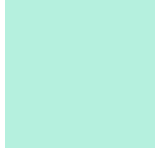
## Protanomaly

65.2669, 77.0148, 44.6831



## Deuteranomaly

67.8636, 76.4180, 55.9731



## Tritanomaly

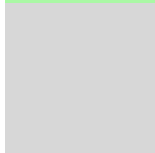
63.4010, 77.4179, 80.7088

# Monochromacy



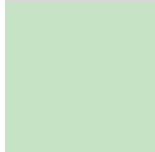
## Original Color

56.9365, 78.3975, 47.7287



## Achromatopsia

64.5905, 67.9542, 74.0022



## Achromatomaly

61.1003, 71.1115, 63.3289

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.9365, 78.3975, 47.7287 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(170, 248, 165)` looks like.

```
.text, #text, p{  
    color:rgb(170, 248, 165)  
}
```

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(170, 248, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 248, 165) }
```

## Border

The CSS property to change the border of an element to XYZ 56.9365, 78.3975, 47.7287 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(170, 248, 165) }
```



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

```
.border{ border-color:rgb(170, 248, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 248, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 248, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 248, 165);  
box-shadow:4px 4px 4px 4px rgb(170, 248,  
165) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.9365, 78.3975, 47.7287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 248, 165) }
```

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

```
.background{ background-color: rgb(170,  
248, 165) }
```

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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