

# Converting Colors

XYZ(186.3543, 205.9342,  
70.2827)

Have a look what the booklet for  
XYZ(186.3543, 205.9342, 70.2827)  
contains.

<b>XYZ(84.7379, 95.8751, 54.5970)</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(84.7379, 95.8751,  
54.5970)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFFAF
RGB	255, 255, 175
RGB Percent	100%, 100%, 69%
CMY	0.0000, 0.0000, 0.3137
CMYK	0.00, 0.00, 0.31, 0.00
HSL	60°, 100%, 84%
HSV	60°, 31%, 100%
XYZ	84.7379, 95.8751, 54.5970
YIQ	245.8800, 25.6800, -24.8800

# Conversions

## Conversions Part 2

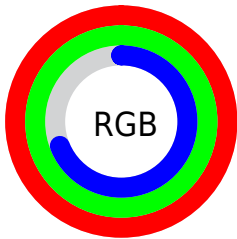
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	175, 255, 175
Decimal	16777135
CIE Lab	98.38, -11.80, 38.32
CIE LCh	98, 40.096, 107.117
Yxy	95.8751, 0.3603, 0.4076
Android (android.graphics.Color)	4294967215 (0xFFFFFFFFAF)
YUV	245.8800, -34.9438, 7.9982
Hunter-Lab	97.9158, -16.8760, 35.4815

# Details

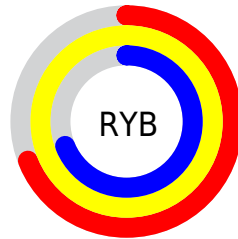
The XYZ color **84.7379, 95.8751, 54.5970** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **51.0602, 46.9952, 100.9876**, and the grayscale version is **87.7584, 92.3286, 100.5459**.

A 20% lighter version of the original color is **91.4238, 98.5495, 89.8047**, and **46.7329, 53.6636, 26.3074** is the 20% darker color. If you saturate the color by 10%, you get **82.4650, 94.9660, 42.6285**, and if you desaturate by 10%, it is **87.4842, 96.9737, 69.0589**.

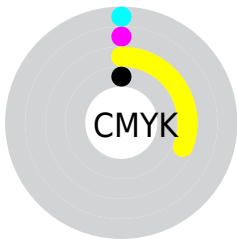
# Distribution



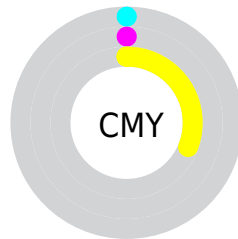
- Red (100%)
- Green (100%)
- Blue (69%)



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



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




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.7379, 95.8751, 54.5970 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 84.7379, 95.8751, 54.5970 by changing the saturation by 10% instead.




 84.7379, 95.8751,  
54.5970

 84.7379, 95.8751,  
54.5970


499.2571,  
546.9627, 421.6213

 63.9466, 72.8635,  
38.6827


 138.9228,  
155.4730, 98.4155

 46.8689, 53.8644,  
26.2071


173.0472,  
192.8282, 127.1568

 33.1396, 38.4933,  
16.7515


212.3466,  
235.7333, 161.0108

 22.3931, 26.3657,  
9.8974

257.1865,  
284.5729, 200.3961

 14.2643, 17.0975,  
5.2262

307.9321,  
339.7312, 245.7313

 8.3876, 10.3040,  
2.3196

364.9488,

 4.3979, 5.6010,

401.5927, 297.4349

0.7421

428.6021,  
470.5417, 355.9254

■ 1.9296, 2.6040,  
0.0000

■ 0.5939, 0.9287,  
0.0000

■ 84.7379, 95.8751,  
54.5970

■ 84.7379, 95.8751,  
54.5970

■ 82.4650, 94.9660,  
42.6285

■ 87.4842, 96.9737,  
69.0589

■ 80.6382, 94.2353,  
33.0088

■ 90.7278, 98.2711,  
86.1397

■ 79.2284, 93.6714,  
25.5847

■ 94.4919, 99.7768,  
105.9612

■ 78.2027, 93.2611,  
20.1832

■ 95.0500, 100.0000,  
108.9000

■ 77.5233, 92.9893,  
16.6056

■ 77.1448, 92.8379,  
14.6127

■ 77.0000, 92.7800,  
13.8500

# Harmonies

## Analogous

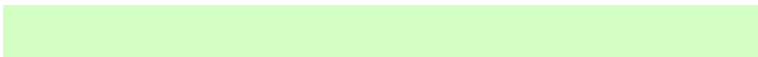
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.1737, 95.8751, 53.8103



84.7379, 95.8751, 54.5970



75.7867, 95.8751, 66.7803

# Triad

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



84.7379, 95.8751, 54.5970



76.8187, 95.8751, 158.3449



114.5635, 95.8751, 119.2412

# Complementary

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



84.7379, 95.8751, 54.5970



51.0602, 46.9952, 100.9876

# 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.



108.4078, 95.8751, 153.9930



84.7379, 95.8751, 54.5970



86.2588, 95.8751, 179.5780

# Square

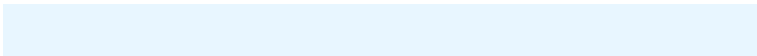
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.7379, 95.8751, 54.5970



71.4869, 95.8751, 124.2768



97.8282, 95.8751, 177.8352



114.0689, 95.8751, 86.7496

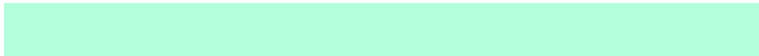


# Rectangle

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



84.7379, 95.8751, 54.5970



72.1394, 95.8751, 81.5384



97.8282, 95.8751, 177.8352



113.1829, 95.8751, 131.1598

# Sweetspot

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



84.7381, 95.8752, 54.5983



91.5726, 98.6090, 90.5882



64.3086, 55.0162, 47.7885



19.4886, 21.0617, 18.8015



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

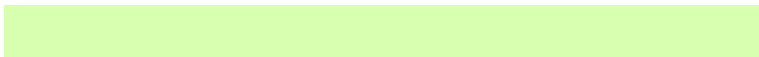
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.7381, 95.8752, 54.5983



83.1802, 95.2521, 46.3943



71.5228, 89.0625, 53.9799



19.5613, 21.0908, 19.1843



40.2342, 48.4795, 7.2369



3.9175, 4.7203, 0.7046



# Inverse Universe

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



51.0602, 46.9952, 100.9876



44.4142, 38.9871, 99.7921



61.4052, 52.3282, 101.4717



17.0031, 17.3778, 22.7080



9.4315, 3.7726, 49.6657

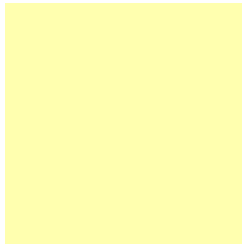


0.9183, 0.3673, 4.8358



# Previews

## White Background



This preview shows how the XYZ color 84.7379, 95.8751, 54.5970 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 84.7379, 95.8751, 54.5970 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

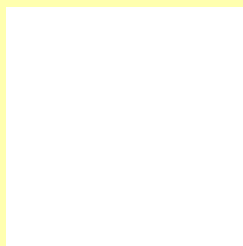
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 84.7379, 95.8751, 54.5970

## Background



This preview shows how black text looks on a background with the XYZ color 84.7379, 95.8751, 54.5970.



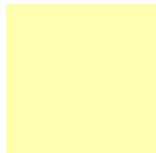
This preview shows how white text looks on a background with the XYZ color 84.7379, 95.8751,

54.5970.

# Color Blindness Simulation

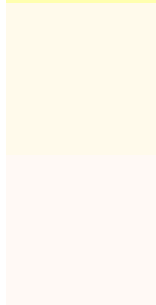
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

84.7379, 95.8751, 54.5970



### Protanopia

90.4210, 95.6294, 92.2899

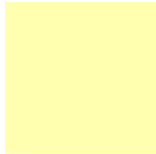
### Deuteranopia

91.5971, 95.6039, 100.0119

## **Tritanopia**

92.6968, 95.5506, 107.3234

# Trichromacy



## Original Color

84.7379, 95.8751, 54.5970



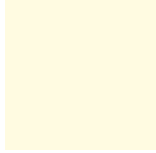
## Protanomaly

88.0606, 95.6849, 76.7785



## Deuteranomaly

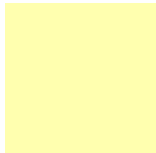
88.6554, 95.4217, 81.4557



## Tritanomaly

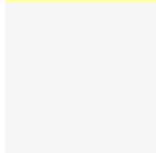
89.3278, 95.6906, 84.9962

# Monochromacy



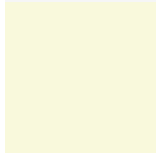
## Original Color

84.7379, 95.8751, 54.5970



## Achromatopsia

87.5964, 92.1582, 100.3603



## Achromatomaly

85.8609, 93.0584, 81.1469

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.7379, 95.8751, 54.5970 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(255, 255, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 175)  
}
```

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(255, 255, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 175) }
```

## Border

The CSS property to change the border of an element to XYZ 84.7379, 95.8751, 54.5970 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(255, 255, 175) }
```



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

```
.border{ border-color:rgb(255, 255, 175) }
```

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

Here you see how a box with a 4 pixel rgb(255, 255, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
175) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.7379, 95.8751, 54.5970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 175) }
```

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

```
.background{ background-color: rgb(255,  
255, 175) }
```

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