

# Converting Colors

XYZ(84.9446, 95.9579, 55.6859)

Have a look what the booklet for  
XYZ(84.9446, 95.9579, 55.6859)  
contains.

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# **Color**

**XYZ(84.9358, 95.9543,  
55.6394)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFFB1
RGB	255, 255, 177
RGB Percent	100%, 100%, 69%
CMY	0.0000, 0.0000, 0.3059
CMYK	0.00, 0.00, 0.31, 0.00
HSL	60°, 100%, 85%
HSV	60°, 31%, 100%
XYZ	84.9358, 95.9543, 55.6394
YIQ	246.1080, 25.0380, -24.2580

# Conversions

## Conversions Part 2

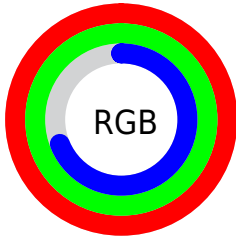
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	177, 255, 177
Decimal	16777137
CIE <sub>Lab</sub>	98.41, -11.56, 37.37
CIE <sub>LCh</sub>	98, 39.118, 107.193
Yxy	95.9543, 0.3591, 0.4057
Android (android.graphics.Color)	4294967217 (0xFFFFFFFFB1)
YUV	246.1080, -34.0702, 7.7983
Hunter-Lab	97.9563, -16.6499, 34.8925

# Details

The XYZ color **84.9358, 95.9543, 55.6394** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **51.9047, 48.0127, 101.1394**, and the grayscale version is **87.9365, 92.5161, 100.7500**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **46.8581, 53.7137, 26.9669** is the 20% darker color. If you saturate the color by 10%, you get **82.6268, 95.0307, 43.4804**, and if you desaturate by 10%, it is **87.7203, 97.0681, 70.3022**.

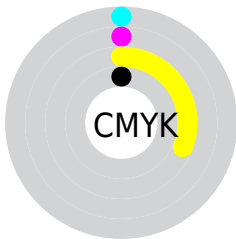
# Distribution



- 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 84.9358, 95.9543, 55.6394 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 84.9358, 95.9543, 55.6394 by changing the saturation by 10% instead.





 84.9358, 95.9543,  
55.6394

 84.9358, 95.9543,  
55.6394


499.9025,  
547.2156, 425.6812

 64.1107, 72.9295,  
39.5118

 139.1980,  
155.5823, 99.9577

 47.0023, 53.9183,  
26.8472


173.3657,  
192.9544, 128.9855

 33.2454, 38.5364,  
17.2271


212.7117,  
235.8776, 163.1504

 22.4747, 26.3992,  
10.2329

257.6012,  
284.7364, 202.8710

 14.3246, 17.1225,  
5.4460

308.3997,  
339.9153, 248.5659

 8.4300, 10.3219,  
2.4480

365.4725,

 4.4254, 5.6129,

401.7984, 300.6535

0.8124

429.1850,  
470.7704, 359.5524

■ 1.9455, 2.6112,  
0.0000

■ 0.6031, 0.9323,  
0.0000

■ 84.9358, 95.9543,  
55.6394

■ 84.9358, 95.9543,  
55.6394

■ 82.6268, 95.0307,  
43.4804

■ 87.7203, 97.0681,  
70.3022

■ 80.7661, 94.2864,  
33.6818

■ 91.0039, 98.3816,  
87.5937

■ 79.3247, 93.7099,  
26.0915

94.8098, 99.9039,  
107.6351

■ 78.2701, 93.2880,  
20.5382

95.0500, 100.0000,  
108.9000

■ 77.5650, 93.0060,  
16.8255

■ 77.1649, 92.8460,  
14.7183

■ 77.0000, 92.7800,  
13.8500

# Harmonies

## Analogous

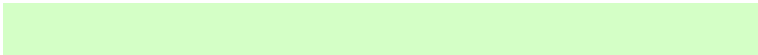
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.0974, 95.9543, 54.8344



84.9358, 95.9543, 55.6394



76.1883, 95.9543, 67.6782

# Triad

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



84.9358, 95.9543, 55.6394



77.2349, 95.9543, 157.0327



114.0432, 95.9543, 118.8696

# Complementary

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



84.9358, 95.9543, 55.6394



51.9047, 48.0127, 101.1394

# 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.



108.0681, 95.9543, 152.6600



84.9358, 95.9543, 55.6394



86.4752, 95.9543, 177.5605

# Square

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



84.9358, 95.9543, 55.6394



72.0005, 95.9543, 123.9483



97.7684, 95.9543, 175.8128



113.5449, 95.9543, 87.1614



# Rectangle

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



84.9358, 95.9543, 55.6394



72.6232, 95.9543, 82.1900



97.7684, 95.9543, 175.8128



112.7057, 95.9543, 130.4696

# Sweetspot

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



84.9361, 95.9544, 55.6407



91.5726, 98.6090, 90.5882



64.8987, 55.8797, 48.9616



19.4886, 21.0617, 18.8015



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

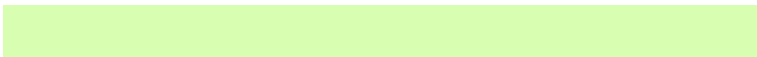
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.9361, 95.9544, 55.6407



83.4022, 95.3409, 47.5635



72.0153, 89.2935, 55.0360



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.



51.9047, 48.0127, 101.1394



45.3613, 40.1283, 99.9625



62.0919, 53.2644, 101.6162



17.0031, 17.3778, 22.7080



9.4315, 3.7726, 49.6657

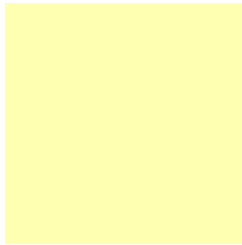


0.9183, 0.3673, 4.8358



# Previews

## White Background



This preview shows how the XYZ color 84.9358, 95.9543, 55.6394 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

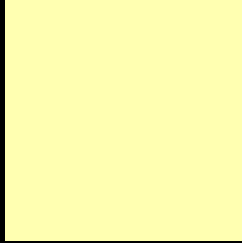
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.9358, 95.9543, 55.6394 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

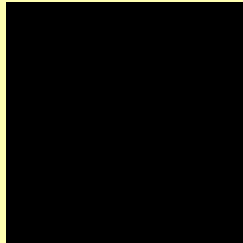
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 84.9358, 95.9543, 55.6394

## Background



This preview shows how black text looks on a background with the XYZ color 84.9358, 95.9543, 55.6394.



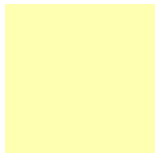
This preview shows how white text looks on a background with the XYZ color 84.9358, 95.9543,

55.6394.

# Color Blindness Simulation

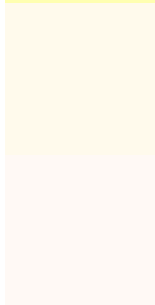
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

84.9358, 95.9543, 55.6394



### Protanopia

90.5659, 95.6873, 93.0530

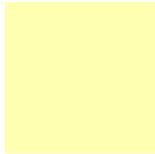
### Deuteranopia

91.5971, 95.6039, 100.0119

## **Tritanopia**

93.0051, 96.1671, 107.4261

# Trichromacy



## Original Color

84.9358, 95.9543, 55.6394



## Protanomaly

88.3161, 95.7871, 78.1240



## Deuteranomaly

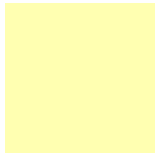
88.6554, 95.4217, 81.4557



## Tritanomaly

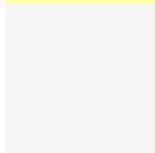
89.4646, 95.7453, 85.7169

# Monochromacy



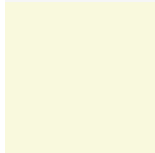
## Original Color

84.9358, 95.9543, 55.6394



## Achromatopsia

87.5964, 92.1582, 100.3603



## Achromatomaly

85.9937, 93.1116, 81.8466

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.9358, 95.9543, 55.6394 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, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 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(255, 255, 177) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to XYZ 84.9358, 95.9543, 55.6394 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, 177) }
```



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

```
.border{ border-color:rgb(255, 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(255, 255, 177)` colored shadow looks like.

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

# Background

The CSS property to change the background color of an element to XYZ 84.9358, 95.9543, 55.6394 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, 177) }
```

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

```
.background{ background-color: rgb(255,  
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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