

# Converting Colors

XYZ(79.8540, 85.5500, 54.6872)

Have a look what the booklet for  
XYZ(79.8540, 85.5500, 54.6872)  
contains.

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# Color

**XYZ(79.9512, 85.6637,  
54.9687)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEEB3
RGB	255, 238, 179
RGB Percent	100%, 93%, 70%
CMY	0.0000, 0.0666, 0.2980
CMYK	0.00, 0.07, 0.30, 0.00
HSL	47°, 100%, 85%
HSV	47°, 30%, 100%
XYZ	79.9512, 85.6637, 54.9687
YIQ	236.3570, 29.0710, -14.7450

# Conversions

## Conversions Part 2

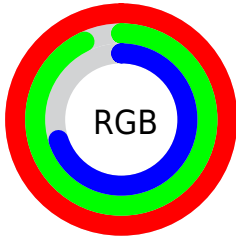
Format	Color
R <sub>Y</sub> B	201, 255, 179
Decimal	16772787
CIE Lab	94.17, -2.87, 30.69
CIE LCh	94, 30.829, 95.350
Yxy	85.6637, 0.3625, 0.3884
Android (android.graphics.Color)	4294962867 (0xFFFFEEB3)
YUV	236.3570, -28.2770, 16.3499
Hunter-Lab	92.5547, -7.7777, 29.5756

# Details

The XYZ color **79.9512, 85.6637, 54.9687** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **56.3799, 56.2819, 102.4997**, and the grayscale version is **80.1986, 84.3751, 91.8845**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **43.5198, 46.8326, 26.4845** is the 20% darker color. If you saturate the color by 10%, you get **75.9737, 81.4613, 42.0743**, and if you desaturate by 10%, it is **84.4624, 90.1698, 70.3959**.

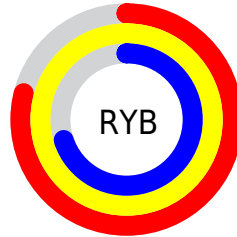
# Distribution



Red (100%)

Green (93%)

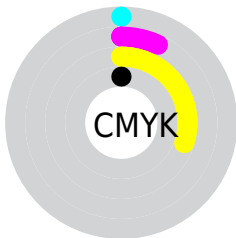
Blue (70%)



Red (79%)

Yellow (100%)

Blue (70%)

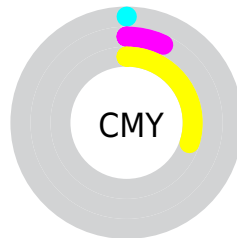


Cyan (0%)

Magenta (7%)

Yellow (30%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.9512, 85.6637, 54.9687 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 79.9512, 85.6637, 54.9687 by changing the saturation by 10% instead.





 79.9512, 85.6637,  
54.9687

 79.9512, 85.6637,  
54.9687


483.5074,  
513.8217, 423.0719

 59.9865, 64.3899,  
38.9782

 132.2480,  
141.3001, 98.9658

 43.6572, 46.9666,  
26.4351

165.3108,  
176.4315, 127.8095

 30.5978, 33.0092,  
16.9207


203.4704,  
216.9509, 161.7747

 20.4431, 22.1335,  
10.0166

247.0922,  
263.2427, 201.2799

 12.8277, 13.9550,  
5.3042

296.5414,  
315.6913, 246.7437

 7.3862, 8.0894,  
2.3650

352.1834,

 3.7532, 4.1522,

374.6810, 298.5846

0.7673

414.3836,  
440.5964, 357.2211

■ 1.5635, 1.7591,  
0.0000

■ 0.3684, 0.4615,  
0.0000

■ 79.9512, 85.6637,  
54.9687

■ 79.9512, 85.6637,  
54.9687

■ 75.9737, 81.4613,  
42.0743

■ 84.4624, 90.1698,  
70.3959

■ 72.4969, 77.5395,  
31.5685

■ 89.5259, 94.9786,  
88.4787

■ 69.4934, 73.8897,  
23.3008

95.0500, 100.0000,  
108.9000

■ 66.9306, 70.4979,  
17.1014

■ 64.7712, 67.3484,  
12.7761

■ 62.9705, 64.4227,  
10.0933

■ 61.4580, 61.6916,  
8.6829

■ 61.4296, 61.6392,  
8.6599

# Harmonies

## Analogous

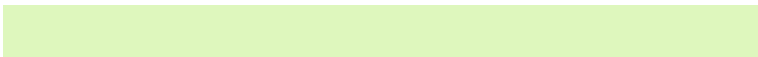
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.2155, 85.6637, 57.7856



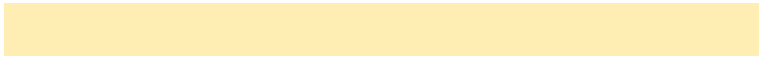
79.9512, 85.6637, 54.9687



72.5862, 85.6637, 60.9178

# Triad

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



79.9512, 85.6637, 54.9687



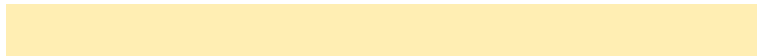
69.1593, 85.6637, 122.0939



96.7007, 85.6637, 113.5263

# Complementary

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



79.9512, 85.6637, 54.9687



56.3799, 56.2819, 102.4997

# 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.



90.9445, 85.6637, 135.4361



79.9512, 85.6637, 54.9687



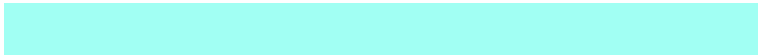
74.9843, 85.6637, 140.9386

# Square

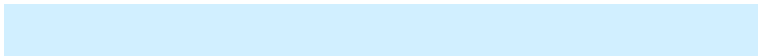
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.9512, 85.6637, 54.9687



66.6305, 85.6637, 97.5719



82.9083, 85.6637, 146.1919



98.2522, 85.6637, 89.1026

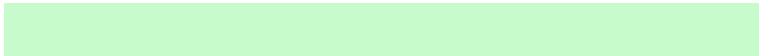


# Rectangle

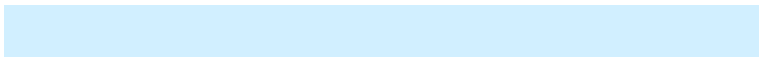
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.9512, 85.6637, 54.9687



69.0598, 85.6637, 69.7609



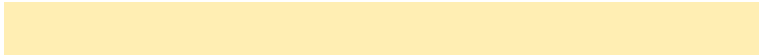
82.9083, 85.6637, 146.1919



95.1752, 85.6637, 121.5512

# Sweetspot

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



79.9533, 85.6675, 54.9705



89.9573, 95.3784, 90.0498



67.4082, 57.5202, 60.2140



19.0879, 20.2602, 18.6679



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

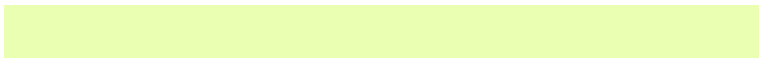
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.9533, 85.6675, 54.9705



77.4264, 83.0268, 46.6893



78.0701, 92.3917, 56.3676



19.1965, 20.3611, 19.0627



32.2150, 32.4412, 4.5639



3.2173, 3.3199, 0.4712



# Inverse Universe

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



56.3799, 56.2819, 102.4997



50.2791, 49.1954, 101.4534



57.7950, 51.6399, 101.5291



17.3324, 18.0364, 22.8178



10.2869, 5.4833, 49.9508



1.0788, 0.6883, 4.8893



# Previews

## White Background



This preview shows how the XYZ color 79.9512, 85.6637, 54.9687 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

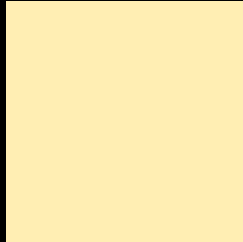
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.9512, 85.6637, 54.9687 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 79.9512, 85.6637, 54.9687**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.9512, 85.6637, 54.9687.



This preview shows how white text looks on a background with the XYZ color 79.9512, 85.6637,



# 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

79.9512, 85.6637, 54.9687

### Protanopia

80.0528, 85.7044, 55.5034

### Deuteranopia

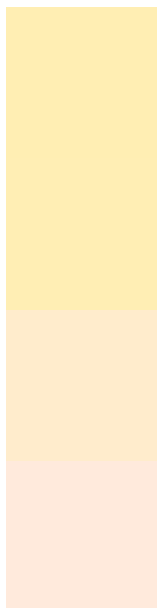
83.7345, 85.7911, 79.1639



## Tritanopia

86.4257, 85.5049, 97.5369

# Trichromacy



## Original Color

79.9512, 85.6637, 54.9687

## Protanomaly

80.0528, 85.7044, 55.5034

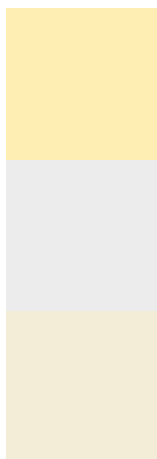
## Deuteranomaly

82.1345, 85.6105, 69.3223

## Tritanomaly

83.5811, 85.2729, 79.7643

# Monochromacy



## Original Color

79.9512, 85.6637, 54.9687

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

79.5121, 84.5294, 76.4150

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.9512, 85.6637, 54.9687 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, 238, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 179)  
}
```

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, 238, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 179) }
```

## Border

The CSS property to change the border of an element to XYZ 79.9512, 85.6637, 54.9687 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, 238, 179) }
```



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

```
.border{ border-color:rgb(255, 238, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
179) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.9512, 85.6637, 54.9687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 179) }
```

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

```
.background{ background-color: rgb(255,  
238, 179) }
```

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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