

# Converting Colors

XYZ(82.9457, 100.0000,  
58.9195)

Have a look what the booklet for  
XYZ(82.9457, 100.0000, 58.9195)  
contains.

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# Color

**XYZ(79.4634, 93.0745,  
58.0330)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEFFB6
RGB	238, 255, 182
RGB Percent	93%, 100%, 71%
CMY	0.0667, 0.0000, 0.2863
CMYK	0.07, 0.00, 0.29, 0.00
HSL	74°, 100%, 86%
HSV	74°, 29%, 100%
XYZ	79.4634, 93.0745, 58.0330
YIQ	241.5950, 13.3010, -26.3070

# Conversions

## Conversions Part 2

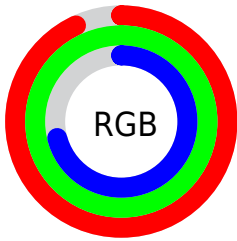
<b>Format</b>	<b>Color</b>
<b>RYB</b>	182, 255, 199
Decimal	15663030
CIELab	97.26, -17.15, 33.12
CIELCh	97, 37.294, 117.383
Yxy	93.0745, 0.3446, 0.4037
Android (android.graphics.Color)	4293853110 (0xFFEEFFB6)
YUV	241.5950, -29.3803, -3.1528
Hunter-Lab	96.4751, -21.8069, 31.8677

# Details

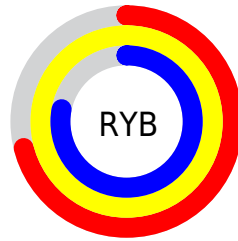
The XYZ color **79.4634, 93.0745, 58.0330** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **58.3321, 52.8193, 101.7284**, and the grayscale version is **84.2946, 88.6845, 96.5774**.

A 20% lighter version of the original color is **92.4326, 98.9530, 95.1170**, and **43.1464, 51.7704, 28.1407** is the 20% darker color. If you saturate the color by 10%, you get **75.1023, 91.1036, 45.3025**, and if you desaturate by 10%, it is **84.3711, 95.2718, 73.2965**.

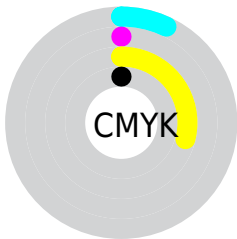
# Distribution



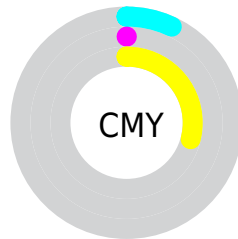
- Red (93%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (78%)



- Cyan (7%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)




- Cyan (7%)
- Magenta (0%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.4634, 93.0745, 58.0330 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 79.4634, 93.0745, 58.0330 by changing the saturation by 10% instead.





 79.4634, 93.0745,  
58.0330

 79.4634, 93.0745,  
58.0330


481.8867,  
537.9822, 434.9106

 59.5838, 70.5334,  
41.4203


 131.5655,  
151.6018, 103.4862

 43.3315, 51.9615,  
28.3255


164.5188,  
188.3567, 133.1637

 30.3409, 36.9744,  
18.3300


202.5607,  
230.6184, 168.0333

 20.2469, 25.1877,  
11.0153

246.0565,  
278.7713, 208.5134

 12.6839, 16.2169,  
5.9628

295.3717,  
333.1997, 255.0227

 7.2867, 9.6778,  
2.7541

350.8716,

 3.6900, 5.1859,

394.2881, 307.9796

0.9705

412.9215,  
462.4207, 367.8027

■ 1.5283, 2.3567,  
0.0000

■ 0.3450, 0.8035,  
0.0000

■ 79.4634, 93.0745,  
58.0330

■ 79.4634, 93.0745,  
58.0330

■ 75.1023, 91.1036,  
45.3025

■ 84.3711, 95.2718,  
73.2965

■ 71.2598, 89.3475,  
34.9636

■ 89.8487, 97.7047,  
91.2160

■ 67.9071, 87.7949,  
26.8674

95.0500, 100.0000,  
108.9000

■ 65.0118, 86.4326,  
20.8466

■ 62.5370, 85.2458,  
16.7103

■ 60.4393, 84.2170,  
14.2326

■ 58.6567, 83.3215,  
13.0917

■ 58.4253, 83.2044,  
12.9807

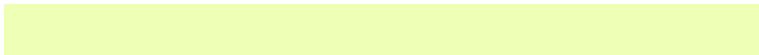
# Harmonies

## Analogous

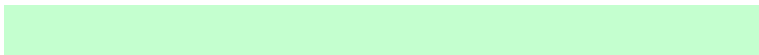
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.3935, 93.0745, 53.7008



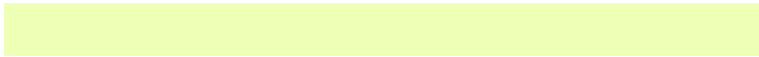
79.4634, 93.0745, 58.0330



72.4628, 93.0745, 73.1556

# Triad

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



79.4634, 93.0745, 58.0330



77.9799, 93.0745, 158.5390



110.3028, 93.0745, 104.0169

# Complementary

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



79.4634, 93.0745, 58.0330



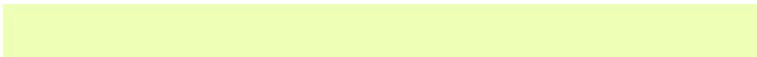
58.3321, 52.8193, 101.7284

# 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.



106.6639, 93.0745, 135.9730



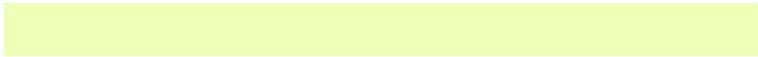
79.4634, 93.0745, 58.0330



87.5420, 93.0745, 171.1165

# Square

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



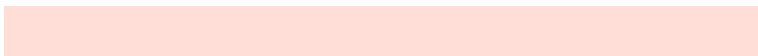
79.4634, 93.0745, 58.0330



71.6553, 93.0745, 130.4627



98.1209, 93.0745, 162.1389

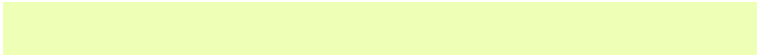


107.7161, 93.0745, 76.9136

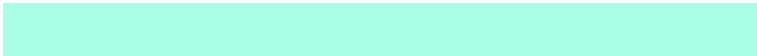


# Rectangle

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



79.4634, 93.0745, 58.0330



70.1179, 93.0745, 89.1807



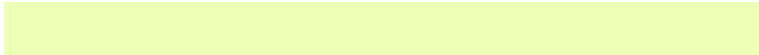
98.1209, 93.0745, 162.1389



109.7610, 93.0745, 114.5622

# Sweetspot

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



79.4638, 93.0747, 58.0343



89.6336, 97.6094, 90.4975



69.8364, 64.9428, 53.1117



19.0076, 20.8137, 18.7790



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

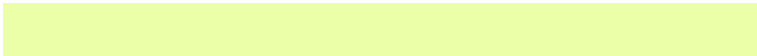


# Same Dimension

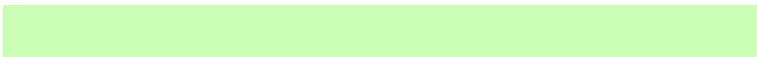
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.4638, 93.0747, 58.0343



77.0540, 91.9881, 50.8868



68.7467, 87.5498, 57.5328



19.1234, 20.8650, 19.1638



30.6665, 43.5472, 6.7892



3.0813, 4.2892, 0.6655



# Inverse Universe

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



58.3321, 52.8193, 101.7284



52.9682, 46.0899, 100.7123



68.8144, 58.2231, 102.2190



17.3988, 17.5818, 22.7266



10.4935, 4.3201, 49.7154

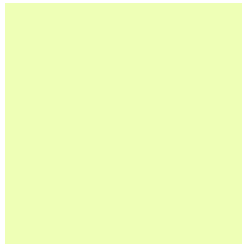


1.1128, 0.4676, 4.8449



# Previews

## White Background



This preview shows how the XYZ color 79.4634, 93.0745, 58.0330 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

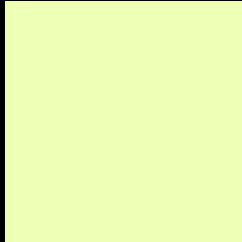
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.4634, 93.0745, 58.0330 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

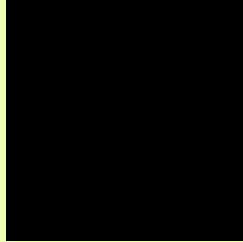
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

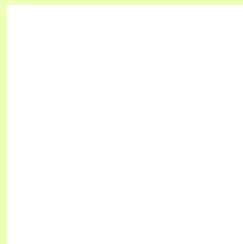
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 79.4634, 93.0745, 58.0330**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.4634, 93.0745, 58.0330.



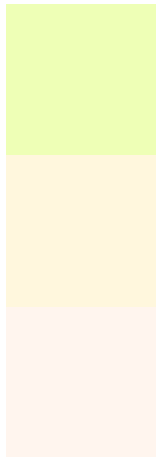
This preview shows how white text looks on a background with the XYZ color 79.4634, 93.0745,



# 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

79.4634, 93.0745, 58.0330

### Protanopia

87.5519, 93.0020, 81.7433

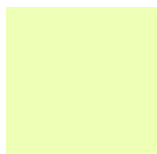
### Deuteranopia

89.3250, 92.7379, 94.0812

## Tritanopia

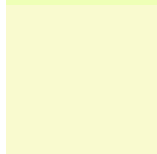
89.7172, 93.0880, 107.8469

# Trichromacy



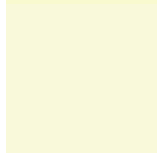
## Original Color

79.4634, 93.0745, 58.0330



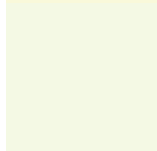
## Protanomaly

84.5150, 93.0159, 72.5309



## Deuteranomaly

85.5975, 92.9531, 79.7599



## Tritanomaly

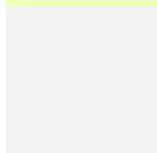
85.1875, 92.5859, 86.7798

# Monochromacy



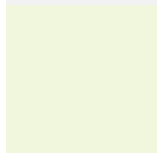
## Original Color

79.4634, 93.0745, 58.0330



## Achromatopsia

84.3971, 88.7923, 96.6948



## Achromatomaly

82.4547, 90.3896, 80.8113

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.4634, 93.0745, 58.0330 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(238, 255, 182)` looks like.

```
.text, #text, p{  
    color:rgb(238, 255, 182)  
}
```

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(238, 255, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 255, 182) }
```

## Border

The CSS property to change the border of an element to XYZ 79.4634, 93.0745, 58.0330 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(238, 255, 182) }
```



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

```
.border{ border-color:rgb(238, 255, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 255, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 255, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 255, 182);  
box-shadow:4px 4px 4px 4px rgb(238, 255,  
182) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.4634, 93.0745, 58.0330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 255, 182) }
```

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

```
.background{ background-color: rgb(238,  
255, 182) }
```

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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