

Converting Colors

XYZ(82.1085, 86.7833, 54.6443)

Have a look what the booklet for
XYZ(82.1085, 86.7833, 54.6443)
contains.

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Color

**XYZ(79.8504, 85.6234,
54.4379)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEEB2
RGB	255, 238, 178
RGB Percent	100%, 93%, 70%
CMY	0.0000, 0.0666, 0.3020
CMYK	0.00, 0.07, 0.30, 0.00
HSL	47°, 100%, 85%
HSV	47°, 30%, 100%
XYZ	79.8504, 85.6234, 54.4379
YIQ	236.2430, 29.3920, -15.0560

Conversions

Conversions Part 2

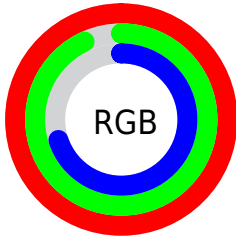
Format	Color
R_{YB}	200, 255, 178
Decimal	16772786
CIE Lab	94.15, -3.00, 31.18
CIE LCh	94, 31.323, 95.493
Yxy	85.6234, 0.3631, 0.3894
Android (android.graphics.Color)	4294962866 (0xFFFFEEB2)
YUV	236.2430, -28.7138, 16.4499
Hunter-Lab	92.5329, -7.8977, 29.8922

Details

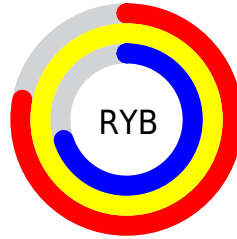
The XYZ color **79.8504, 85.6234, 54.4379** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **55.9248, 55.7136, 102.4140**, and the grayscale version is **80.1141, 84.2863, 91.7878**.

A 20% lighter version of the original color is **91.8513, 98.7205, 92.0558**, and **43.4556, 46.8069, 26.1463** is the 20% darker color. If you saturate the color by 10%, you get **75.9120, 81.4701, 41.6462**, and if you desaturate by 10%, it is **84.3202, 90.0773, 69.7567**.

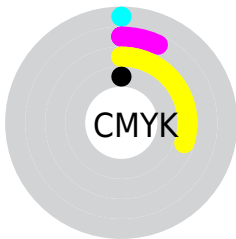
Distribution



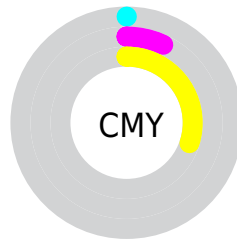
- Red (100%)
- Green (93%)
- Blue (70%)



- Red (78%)
- 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 79.8504, 85.6234, 54.4379 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 79.8504, 85.6234, 54.4379 by changing the saturation by 10% instead.


 79.8504, 85.6234,
54.4379

 79.8504, 85.6234,
54.4379

483.1727,
513.6886, 420.9994

 59.9033, 64.3566,
38.5563


 132.1070,
141.2438, 98.1798

 43.5899, 46.9396,
26.1096


165.1472,
176.3663, 126.8771

 30.5447, 32.9879,
16.6791


203.2825,
216.8760, 160.6835

 20.4025, 22.1172,
9.8464

246.8783,
263.1575, 200.0174

 12.7979, 13.9430,
5.1930

296.2998,
315.5951, 245.2974

 7.3656, 8.0810,
2.3002

351.9125,

 3.7401, 4.1468,

374.5732, 296.9421

0.7313

414.0817,
440.4763, 355.3699

■ 1.5562, 1.7560,
0.0000

■ 0.3636, 0.4596,
0.0000

■ 79.8504, 85.6234,
54.4379

■ 79.8504, 85.6234,
54.4379

■ 75.9120, 81.4701,
41.6462

■ 84.3202, 90.0773,
69.7567

■ 72.4718, 77.5942,
31.2369

■ 89.3400, 94.8309,
87.7258

■ 69.5025, 73.9872,
23.0591

94.9349, 99.8979,
108.4668

■ 66.9712, 70.6351,
16.9421

95.0500, 100.0000,
108.9000

■ 64.8404, 67.5221,
12.6904

■ 63.0652, 64.6296,
10.0707

■ 61.5993, 61.9786,
8.7164

Harmonies

Analogous

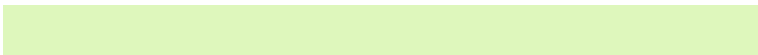
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.2482, 85.6234, 57.2399



79.8504, 85.6234, 54.4379



72.3844, 85.6234, 60.4892

Triad

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



79.8504, 85.6234, 54.4379



68.9602, 85.6234, 122.6585



96.9357, 85.6234, 113.7029

Complementary

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



79.8504, 85.6234, 54.4379



55.9248, 55.7136, 102.4140

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.



91.0970, 85.6234, 136.0562



79.8504, 85.6234, 54.4379



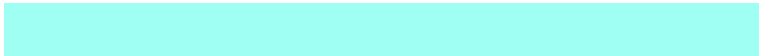
74.8824, 85.6234, 141.8168

Square

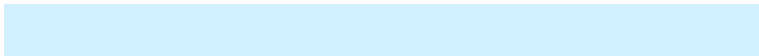
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.8504, 85.6234, 54.4379



66.3793, 85.6234, 97.7150



82.9340, 85.6234, 147.0975



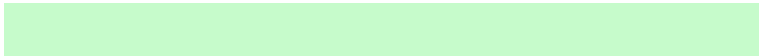
98.4914, 85.6234, 88.8831

Rectangle

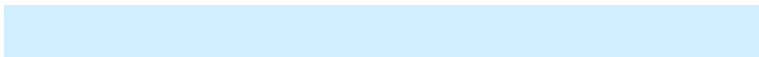
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.8504, 85.6234, 54.4379



68.8180, 85.6234, 69.4624



82.9340, 85.6234, 147.0975



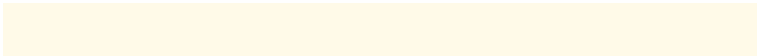
95.3902, 85.6234, 121.8796

Sweetspot

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



79.8525, 85.6273, 54.4397



89.9780, 95.4198, 90.0567



67.1210, 57.0858, 59.6867



19.0930, 20.2704, 18.6696



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

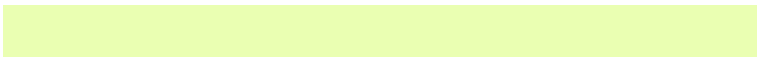
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.8525, 85.6273, 54.4397



77.5026, 83.1791, 46.7147



77.8814, 92.3061, 55.8327



19.2011, 20.3704, 19.0642



32.3027, 32.6166, 4.5931



3.2251, 3.3356, 0.4739

Inverse Universe

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



55.9248, 55.7136, 102.4140



50.2239, 49.0849, 101.4350



57.4008, 51.1403, 101.4535



17.3280, 18.0277, 22.8164



10.2669, 5.4434, 49.9441



1.0763, 0.6833, 4.8884

Previews

White Background



This preview shows how the XYZ color 79.8504, 85.6234, 54.4379 looks on a white background.

Color Contrast Check

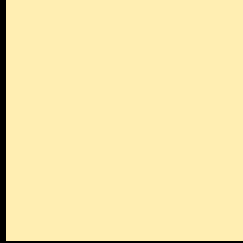
Large Text (above 18pt) WCAG AA × Fail

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 79.8504, 85.6234, 54.4379 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 79.8504, 85.6234, 54.4379

Background



This preview shows how black text looks on a background with the XYZ color 79.8504, 85.6234, 54.4379.



This preview shows how white text looks on a background with the XYZ color 79.8504, 85.6234,

54.4379.

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

79.8504, 85.6234, 54.4379

Protanopia

79.9512, 85.6637, 54.9687

Deuteranopia

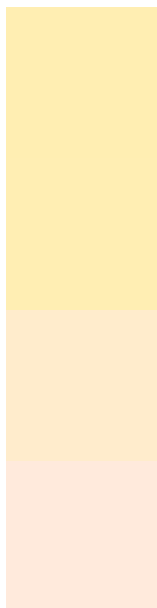
83.7345, 85.7911, 79.1639



Tritanopia

86.4257, 85.5049, 97.5369

Trichromacy



Original Color

79.8504, 85.6234, 54.4379

Protanomaly

79.9512, 85.6637, 54.9687

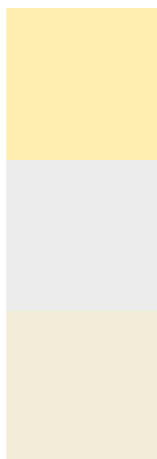
Deuteranomaly

82.1345, 85.6105, 69.3223

Tritanomaly

83.5811, 85.2729, 79.7643

Monochromacy



Original Color

79.8504, 85.6234, 54.4379

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 79.8504, 85.6234, 54.4379 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 178) }
```

Border

The CSS property to change the border of an element to XYZ 79.8504, 85.6234, 54.4379 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, 178) }
```


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

```
.border{ border-color:rgb(255, 238, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 79.8504, 85.6234, 54.4379 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, 178) }
```

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

```
.background{ background-color: rgb(255,  
238, 178) }
```

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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