

Converting Colors

XYZ(79.0836, 85.5934, 49.5467)

Have a look what the booklet for
XYZ(79.0836, 85.5934, 49.5467)
contains.

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Color

**XYZ(79.1744, 85.8202,
49.4378)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEFA8
RGB	255, 239, 168
RGB Percent	100%, 94%, 66%
CMY	0.0000, 0.0627, 0.3412
CMYK	0.00, 0.06, 0.34, 0.00
HSL	49°, 100%, 83%
HSV	49°, 34%, 100%
XYZ	79.1744, 85.8202, 49.4378
YIQ	235.6900, 32.3270, -18.6890

Conversions

Conversions Part 2

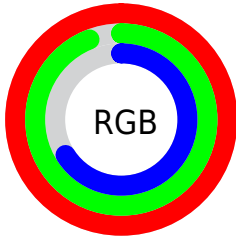
Format	Color
R_{YB}	188, 255, 168
Decimal	16773032
CIE _{Lab}	94.24, -4.70, 36.34
CIE _{LCh}	94, 36.644, 97.364
Yxy	85.8202, 0.3692, 0.4002
Android (android.graphics.Color)	4294963112 (0xFFFFEFA8)
YUV	235.6900, -33.3712, 16.9349
Hunter-Lab	92.6392, -9.5630, 33.2068

Details

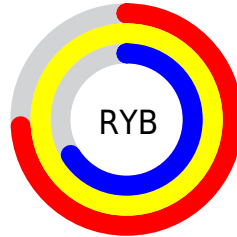
The XYZ color **79.1744, 85.8202, 49.4378** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **51.3385, 49.8243, 101.5190**, and the grayscale version is **79.7234, 83.8752, 91.3401**.

A 20% lighter version of the original color is **90.4545, 98.1618, 84.7007**, and **43.0540, 46.9751, 23.0176** is the 20% darker color. If you saturate the color by 10%, you get **75.6739, 82.2554, 37.6778**, and if you desaturate by 10%, it is **83.1806, 89.6503, 63.6665**.

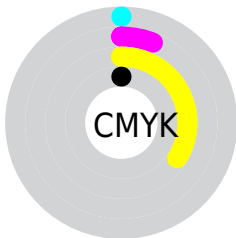
Distribution



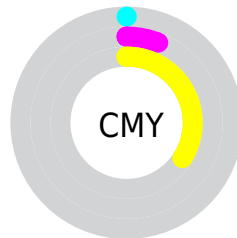
- Red (100%)
- Green (94%)
- Blue (66%)



- Red (74%)
- Yellow (100%)
- Blue (66%)



- Cyan (0%)
- Magenta (6%)
- Yellow (34%)
- Black (0%)




- Cyan (0%)
- Magenta (6%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.1744, 85.8202, 49.4378 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 79.1744, 85.8202, 49.4378 by changing the saturation by 10% instead.


 79.1744, 85.8202,
49.4378

 79.1744, 85.8202,
49.4378


480.9252,
514.3382, 401.1352

 59.3453, 64.5193,
34.5988


 131.1610,
141.5186, 90.7290

 43.1386, 47.0714,
23.0730


164.0492,
176.6848, 118.0184

 30.1889, 33.0921,
14.4416


202.0212,
217.2416, 150.2950

 20.1308, 22.1970,
8.2862

245.4423,
263.5734, 187.9774

 12.5990, 14.0017,
4.1882

294.6779,
316.0646, 231.4840

 7.2281, 8.1219,
1.7292

350.0934,

 3.6527, 4.1730,

375.0995, 281.2335

0.3806

412.0540,
441.0625, 337.6444

■ 1.5076, 1.7708,
0.0000

■ 0.3310, 0.4689,
0.0000

■ 79.1744, 85.8202,
49.4378

■ 79.1744, 85.8202,
49.4378

■ 75.6739, 82.2554,
37.6778

■ 83.1806, 89.6503,
63.6665

■ 72.6452, 78.9328,
28.2371

■ 87.7115, 93.7447,
80.4911

■ 70.0599, 75.8437,
20.9583

■ 92.7930, 98.1171,
100.0362

■ 67.8837, 72.9738,
15.6621

95.0500, 100.0000,
108.9000

■ 66.0768, 70.3070,
12.1406

■ 64.5906, 67.8232,
10.1389

■ 63.8255, 66.4310,
9.4585

Harmonies

Analogous

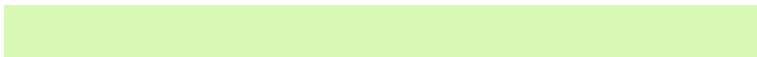
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0504, 85.8202, 51.9096



79.1744, 85.8202, 49.4378



70.6442, 85.8202, 56.7333

Triad

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



79.1744, 85.8202, 49.4378



67.4709, 85.8202, 130.2316



100.2569, 85.8202, 115.8265

Complementary

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



79.1744, 85.8202, 49.4378



51.3385, 49.8243, 101.5190

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.



93.5669, 85.8202, 143.3188



79.1744, 85.8202, 49.4378



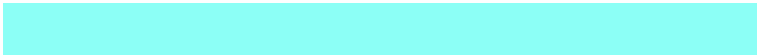
74.5198, 85.8202, 152.7312

Square

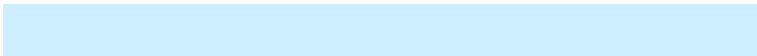
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.1744, 85.8202, 49.4378



64.2484, 85.8202, 100.5439



84.0125, 85.8202, 157.9476



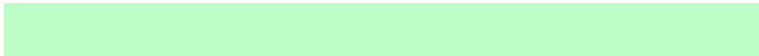
101.7537, 85.8202, 86.6857

Rectangle

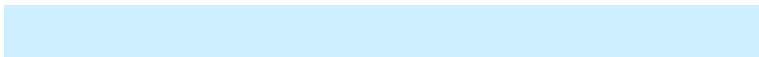
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.1744, 85.8202, 49.4378



66.6870, 85.8202, 67.2217



84.0125, 85.8202, 157.9476



98.5163, 85.8202, 125.7268

Sweetspot

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



79.1765, 85.8241, 49.4396



89.7355, 95.5105, 88.2011



64.0425, 52.7859, 52.9350



19.0569, 20.3130, 18.3041



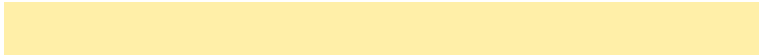
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

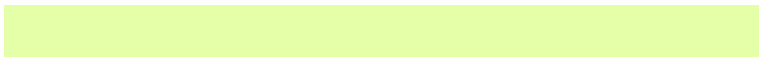
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.1765, 85.8241, 49.4396



76.7134, 83.3407, 41.0877



75.1095, 90.9889, 50.6509



19.2606, 20.4894, 19.0840



33.4526, 34.9163, 4.9764



3.3275, 3.5403, 0.5080

Inverse Universe

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



51.3385, 49.8243, 101.5190



45.0236, 42.3727, 100.4135



54.3273, 46.7089, 100.7601



17.2731, 17.9178, 22.7980



10.0372, 4.9840, 49.8676



1.0464, 0.6235, 4.8785

Previews

White Background



This preview shows how the XYZ color 79.1744, 85.8202, 49.4378 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 79.1744, 85.8202, 49.4378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

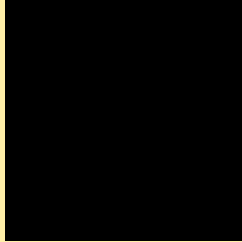
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 79.1744, 85.8202, 49.4378

Background



This preview shows how black text looks on a background with the XYZ color 79.1744, 85.8202, 49.4378.



This preview shows how white text looks on a background with the XYZ color 79.1744, 85.8202,

49.4378.

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

79.1744, 85.8202, 49.4378

Protanopia

79.8504, 85.6234, 54.4379

Deuteranopia

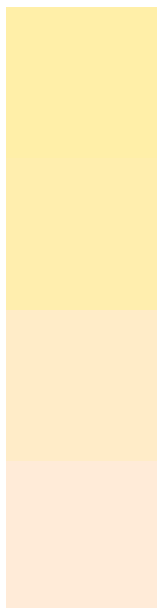
83.6032, 85.7386, 78.4725



Tritanopia

86.4257, 85.5049, 97.5369

Trichromacy



Original Color

79.1744, 85.8202, 49.4378

Protanomaly

79.4545, 85.4651, 52.3531

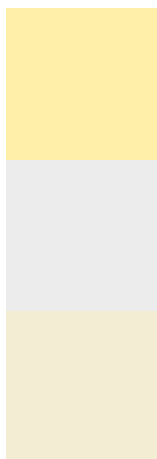
Deuteranomaly

81.6608, 85.4210, 66.8275

Tritanomaly

83.3430, 85.6345, 77.1022

Monochromacy



Original Color

79.1744, 85.8202, 49.4378

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

79.0042, 84.3262, 73.7406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.1744, 85.8202, 49.4378 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, 239, 168)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 168)  
}
```

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, 239, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 168) }
```

Border

The CSS property to change the border of an element to XYZ 79.1744, 85.8202, 49.4378 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, 239, 168) }
```


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

```
.border{ border-color:rgb(255, 239, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 168);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 79.1744, 85.8202, 49.4378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 168) }
```

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

```
.background{ background-color: rgb(255,  
239, 168) }
```

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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