

Converting Colors

XYZ(79.2874, 86.3787, 48.4501)

Have a look what the booklet for
XYZ(79.2874, 86.3787, 48.4501)
contains.

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Color

**XYZ(79.2830, 86.3334,
48.5617)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF0A6
RGB	255, 240, 166
RGB Percent	100%, 94%, 65%
CMY	0.0000, 0.0588, 0.3490
CMYK	0.00, 0.06, 0.35, 0.00
HSL	50°, 100%, 83%
HSV	50°, 35%, 100%
XYZ	79.2830, 86.3334, 48.5617
YIQ	236.0490, 32.6940, -19.8340

Conversions

Conversions Part 2

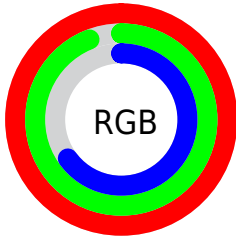
Format	Color
R_{YB}	184, 255, 166
Decimal	16773286
CIE _{Lab}	94.45, -5.43, 37.63
CIE _{LCh}	94, 38.022, 98.206
Yxy	86.3334, 0.3702, 0.4031
Android (android.graphics.Color)	4294963366 (0xFFFFF0A6)
YUV	236.0490, -34.5342, 16.6200
Hunter-Lab	92.9158, -10.2924, 34.0536

Details

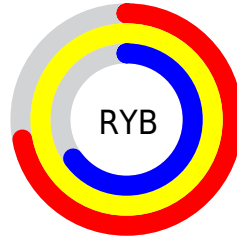
The XYZ color **79.2830, 86.3334, 48.5617** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **50.2993, 48.3732, 101.2936**, and the grayscale version is **80.0068, 84.1734, 91.6648**.

A 20% lighter version of the original color is **90.1848, 98.0539, 83.2803**, and **43.1471, 47.3436, 22.4869** is the 20% darker color. If you saturate the color by 10%, you get **75.9230, 82.9928, 37.0232**, and if you desaturate by 10%, it is **83.1411, 89.9274, 62.5562**.

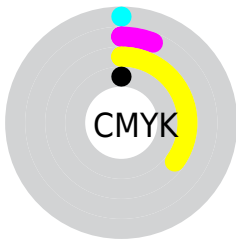
Distribution



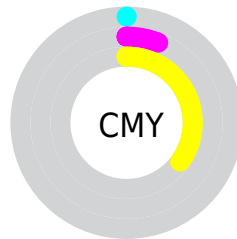
- Red (100%)
- Green (94%)
- Blue (65%)



- Red (72%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (6%)
- Yellow (35%)
- Black (0%)





- Cyan (0%)
- Magenta (6%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 79.2830, 86.3334, 48.5617 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 79.2830, 86.3334, 48.5617 by changing the saturation by 10% instead.


 79.2830, 86.3334,
48.5617


 79.2830, 86.3334,
48.5617


481.2866,
516.0299, 397.5870

 59.4350, 64.9437,
33.9088


 131.3130,
142.2346, 89.4144

 43.2111, 47.4154,
22.5467


 164.2257,
177.5150, 116.4512

 30.2460, 33.3642,
14.0570

202.2240,
218.1943, 148.4531

 20.1744, 22.4056,
8.0211

245.6732,
264.6571, 185.8385

 12.6309, 14.1552,
4.0205

294.9387,
317.2876, 229.0261

 7.2501, 8.2287,
1.6366

350.3859,

 3.6667, 4.2416,

376.4703, 278.4344

0.3167

412.3801,
442.5896, 334.4818

■ 1.5154, 1.8096,
0.0000

■ 0.3363, 0.4932,
0.0000

■ 79.2830, 86.3334,
48.5617

■ 79.2830, 86.3334,
48.5617

■ 75.9230, 82.9928,
37.0232

■ 83.1411, 89.9274,
62.5562

■ 73.0268, 79.8822,
27.7902

■ 87.5164, 93.7733,
79.1346

■ 70.5659, 76.9929,
20.7041

■ 92.4345, 97.8850,
98.4223

■ 68.5058, 74.3110,
15.5836

95.0500, 100.0000,
108.9000

■ 66.8063, 71.8198,
12.2180

■ 65.4177, 69.4992,
10.3477

■ 64.7936, 68.3673,
9.7812

Harmonies

Analogous

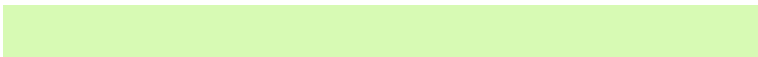
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5749, 86.3334, 50.8155



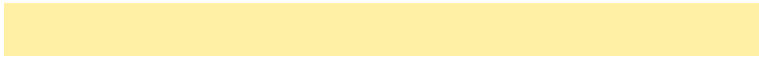
79.2830, 86.3334, 48.5617



70.4886, 86.3334, 56.3373

Triad

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



79.2830, 86.3334, 48.5617



67.5580, 86.3334, 133.3035



101.6991, 86.3334, 116.4941

Complementary

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



79.2830, 86.3334, 48.5617



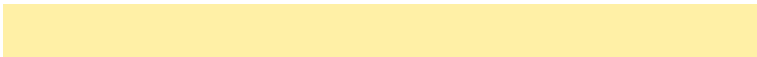
50.2993, 48.3732, 101.2936

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.



94.8273, 86.3334, 145.5499



79.2830, 86.3334, 48.5617



74.9725, 86.3334, 156.5732

Square

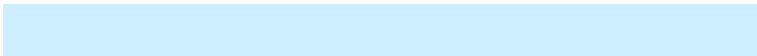
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.2830, 86.3334, 48.5617



64.0964, 86.3334, 102.2703



84.8956, 86.3334, 161.4679



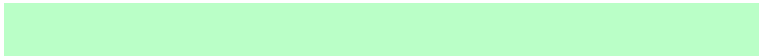
103.0944, 86.3334, 86.1926

Rectangle

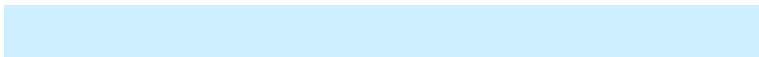
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.2830, 86.3334, 48.5617



66.4560, 86.3334, 67.3488



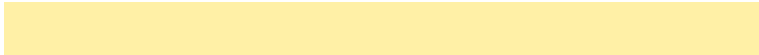
84.8956, 86.3334, 161.4679



99.9271, 86.3334, 126.8969

Sweetspot

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



79.2852, 86.3373, 48.5635



89.8576, 95.7547, 88.2418



63.3531, 51.9238, 51.1120



19.0866, 20.3724, 18.3140



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

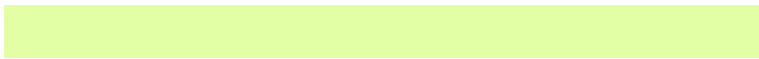
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.2852, 86.3373, 48.5635



76.8491, 83.9385, 40.1269



74.2641, 90.5744, 49.6460



19.2855, 20.5391, 19.0923



33.9522, 35.9156, 5.1429



3.3717, 3.6288, 0.5227

Inverse Universe

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



50.2993, 48.3732, 101.2936



43.8705, 40.7583, 100.1626



53.9822, 45.9871, 100.6389



17.2502, 17.8721, 22.7904



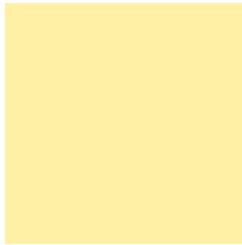
9.9540, 4.8175, 49.8398



1.0350, 0.6007, 4.8747

Previews

White Background



This preview shows how the XYZ color 79.2830, 86.3334, 48.5617 looks on a white background.

Color Contrast Check

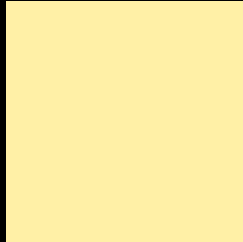
Large Text (above 18pt) WCAG AA × Fail

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 79.2830, 86.3334, 48.5617 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 79.2830, 86.3334, 48.5617

Background



This preview shows how black text looks on a background with the XYZ color 79.2830, 86.3334, 48.5617.



This preview shows how white text looks on a background with the XYZ color 79.2830, 86.3334,

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

79.2830, 86.3334, 48.5617

Protanopia

80.4470, 86.3292, 56.1393

Deuteranopia

84.0216, 86.3654, 79.2596



Tritanopia

86.7080, 86.0695, 97.6310

Trichromacy

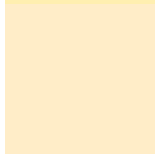


Original Color

79.2830, 86.3334, 48.5617

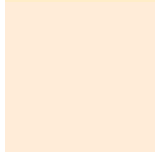
Protanomaly

79.9430, 86.1276, 53.4851



Deuteranomaly

81.9495, 85.9985, 66.9237



Tritanomaly

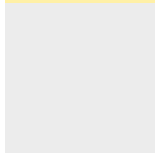
83.6301, 86.2088, 77.1979

Monochromacy



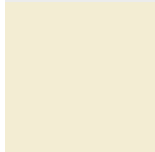
Original Color

79.2830, 86.3334, 48.5617



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 79.2830, 86.3334, 48.5617 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, 240, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 166)  
}
```

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, 240, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 166) }
```

Border

The CSS property to change the border of an element to XYZ 79.2830, 86.3334, 48.5617 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, 240, 166) }
```


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

```
.border{ border-color:rgb(255, 240, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 240, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 79.2830, 86.3334, 48.5617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 166) }
```

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

```
.background{ background-color: rgb(255,  
240, 166) }
```

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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