

Converting Colors

XYZ(106.9515, 100.0000,
49.8169)

Have a look what the booklet for
XYZ(106.9515, 100.0000, 49.8169)
contains.

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Color

**XYZ(78.9894, 85.7462,
48.4639)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEFA6
RGB	255, 239, 166
RGB Percent	100%, 94%, 65%
CMY	0.0000, 0.0627, 0.3490
CMYK	0.00, 0.06, 0.35, 0.00
HSL	49°, 100%, 83%
HSV	49°, 35%, 100%
XYZ	78.9894, 85.7462, 48.4639
YIQ	235.4620, 32.9690, -19.3110

Conversions

Conversions Part 2

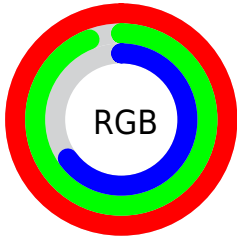
Format	Color
R_{YB}	186, 255, 166
Decimal	16773030
CIE _{Lab}	94.20, -4.93, 37.30
CIE _{LCh}	94, 37.627, 97.524
Yxy	85.7462, 0.3705, 0.4022
Android (android.graphics.Color)	4294963110 (0xFFFFEFA6)
YUV	235.4620, -34.2448, 17.1348
Hunter-Lab	92.5992, -9.7838, 33.7887

Details

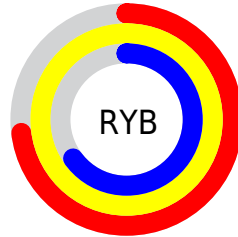
The XYZ color **78.9894, 85.7462, 48.4639** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **50.5034, 48.7814, 101.3616**, and the grayscale version is **79.5551, 83.6982, 91.1473**.

A 20% lighter version of the original color is **90.1848, 98.0539, 83.2803**, and **42.9401, 46.9295, 22.4179** is the 20% darker color. If you saturate the color by 10%, you get **75.5544, 82.2557, 36.9004**, and if you desaturate by 10%, it is **82.9265, 89.4981, 62.4848**.

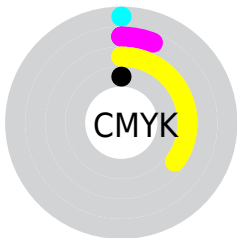
Distribution



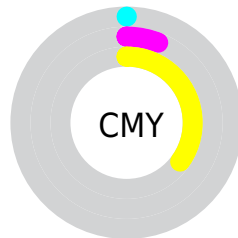
- Red (100%)
- Green (94%)
- Blue (65%)



- Red (73%)
- 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 78.9894, 85.7462, 48.4639 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 78.9894, 85.7462, 48.4639 by changing the saturation by 10% instead.


 78.9894, 85.7462,
48.4639


 78.9894, 85.7462,
48.4639


480.3090,
514.0940, 397.1896

 59.1927, 64.4581,
33.8318


 130.9019,
141.4153, 89.2674

 43.0152, 47.0218,
22.4881

 163.7485,
176.5650, 116.2759

 30.0916, 33.0529,
14.0143


201.6757,
217.1042, 148.2470

 20.0566, 22.1670,
7.9917

245.0489,
263.4170, 185.5992

 12.5447, 13.9796,
4.0019

294.2335,
315.8881, 228.7510

 7.1906, 8.1065,
1.6264

349.5948,

 3.6290, 4.1632,

374.9016, 278.1210

0.3096

411.4982,
440.8421, 334.1277

■ 1.4944, 1.7653,
0.0000

■ 0.3221, 0.4654,
0.0000

■ 78.9894, 85.7462,
48.4639

■ 78.9894, 85.7462,
48.4639

■ 75.5544, 82.2557,
36.9004

■ 82.9265, 89.4981,
62.4848

■ 72.5874, 79.0034,
27.6438

■ 87.3848, 93.5102,
79.0909

■ 70.0597, 75.9804,
20.5353

■ 92.3902, 97.7964,
98.4076

■ 67.9366, 73.1725,
15.3939

95.0500, 100.0000,
108.9000

■ 66.1780, 70.5633,
12.0086

■ 64.7342, 68.1323,
10.1198

■ 64.0834, 66.9469,
9.5445

Harmonies

Analogous

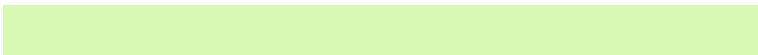
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.1296, 85.7462, 50.9169



78.9894, 85.7462, 48.4639



70.2628, 85.7462, 55.9205

Triad

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



78.9894, 85.7462, 48.4639



67.0840, 85.7462, 131.3858



100.7370, 85.7462, 116.2130

Complementary

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



78.9894, 85.7462, 48.4639



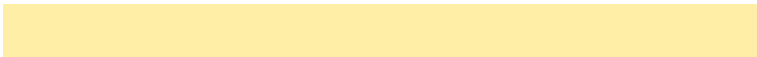
50.5034, 48.7814, 101.3616

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.



93.8739, 85.7462, 144.6232



78.9894, 85.7462, 48.4639



74.3172, 85.7462, 154.5662

Square

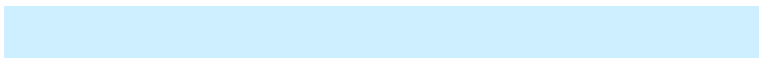
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.9894, 85.7462, 48.4639



63.7672, 85.7462, 100.8159



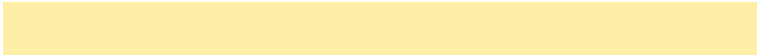
84.0616, 85.7462, 159.8531



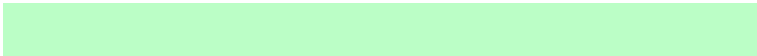
102.2467, 85.7462, 86.2868

Rectangle

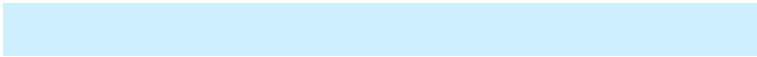
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.9894, 85.7462, 48.4639



66.2283, 85.7462, 66.6355



84.0616, 85.7462, 159.8531



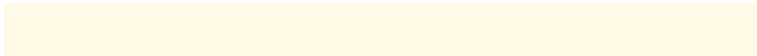
98.9537, 85.7462, 126.4240

Sweetspot

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



78.9916, 85.7501, 48.4657



89.7683, 95.5761, 88.2120



63.3531, 51.9239, 51.1120



19.0649, 20.3290, 18.3067



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

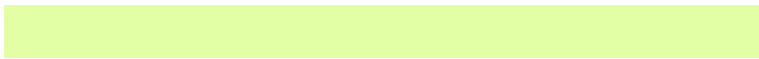
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.9916, 85.7501, 48.4657



76.5019, 83.2441, 40.0111



74.2641, 90.5744, 49.6460



19.2673, 20.5027, 19.0863



33.5857, 35.1827, 5.0208



3.3393, 3.5639, 0.5119

Inverse Universe

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



50.5034, 48.7814, 101.3616



44.0902, 41.1977, 100.2359



53.9823, 45.9871, 100.6389



17.2669, 17.9055, 22.7960



10.0141, 4.9378, 49.8599



1.0433, 0.6173, 4.8774

Previews

White Background



This preview shows how the XYZ color 78.9894, 85.7462, 48.4639 looks on a white background.

Color Contrast Check

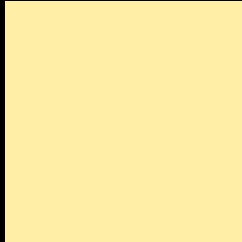
Large Text (above 18pt) WCAG AA × Fail

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 78.9894, 85.7462, 48.4639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

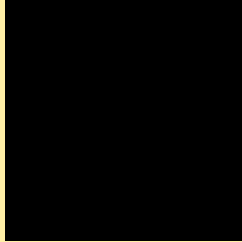
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.9894, 85.7462, 48.4639

Background



This preview shows how black text looks on a background with the XYZ color 78.9894, 85.7462, 48.4639.

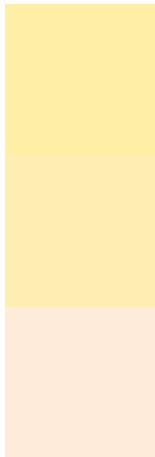


This preview shows how white text looks on a background with the XYZ color 78.9894, 85.7462,

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

78.9894, 85.7462, 48.4639

Protanopia

79.8504, 85.6234, 54.4379

Deuteranopia

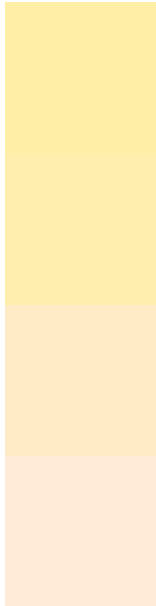
83.4727, 85.6864, 77.7853



Tritanopia

86.4257, 85.5049, 97.5369

Trichromacy



Original Color

78.9894, 85.7462, 48.4639

Protanomaly

79.4545, 85.4651, 52.3531

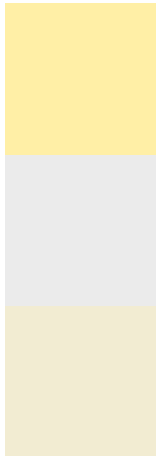
Deuteranomaly

81.4285, 85.3281, 65.6043

Tritanomaly

83.3430, 85.6345, 77.1022

Monochromacy



Original Color

78.9894, 85.7462, 48.4639

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.2463, 83.5213, 72.9700

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.9894, 85.7462, 48.4639 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 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, 239, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 166) }
```

Border

The CSS property to change the border of an element to XYZ 78.9894, 85.7462, 48.4639 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, 166) }
```


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

```
.border{ border-color:rgb(255, 239, 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, 239, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 78.9894, 85.7462, 48.4639 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, 166) }
```

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

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