

Converting Colors

XYZ(78.0341, 84.3225, 46.6439)

Have a look what the booklet for
XYZ(78.0341, 84.3225, 46.6439)
contains.

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Color

**XYZ(78.1350, 84.4727,
46.8370)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEDA3
RGB	255, 237, 163
RGB Percent	100%, 93%, 64%
CMY	0.0000, 0.0706, 0.3608
CMYK	0.00, 0.07, 0.36, 0.00
HSL	48°, 100%, 82%
HSV	48°, 36%, 100%
XYZ	78.1350, 84.4727, 46.8370
YIQ	233.9460, 34.4820, -19.1980

Conversions

Conversions Part 2

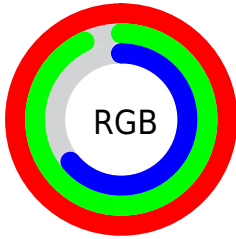
Format	Color
RYB	185, 255, 163
Decimal	16772515
CIELab	93.66, -4.26, 38.09
CIELCh	94, 38.324, 96.389
Yxy	84.4727, 0.3731, 0.4033
Android (android.graphics.Color)	4294962595 (0xFFFFEDA3)
YUV	233.9460, -34.9764, 18.4644
Hunter-Lab	91.9090, -9.0919, 34.1220

Details

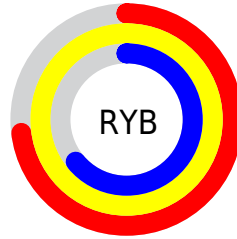
The XYZ color **78.1350, 84.4727, 46.8370** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **49.6777, 48.0527, 101.2645**, and the grayscale version is **78.4058, 82.4890, 89.8305**.

A 20% lighter version of the original color is **89.7862, 97.8945, 81.1811**, and **42.3643, 46.0439, 21.4064** is the 20% darker color. If you saturate the color by 10%, you get **74.6534, 80.8046, 35.5185**, and if you desaturate by 10%, it is **82.1217, 88.4132, 60.5985**.

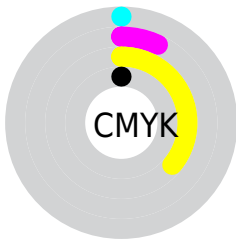
Distribution



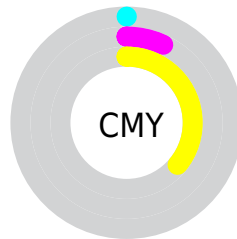
- Red (100%)
- Green (93%)
- Blue (64%)



- Red (73%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (7%)
- Yellow (36%)
- Black (0%)





- Cyan (0%)
- Magenta (7%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.1350, 84.4727, 46.8370 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 78.1350, 84.4727, 46.8370 by changing the saturation by 10% instead.


 78.1350, 84.4727,
46.8370


 78.1350, 84.4727,
46.8370


477.4580,
509.8816, 390.5384

 58.4881, 63.4058,
32.5534


 129.7048,
139.6362, 86.8177

 42.4459, 46.1696,
21.5162


 162.3583,
174.5016, 113.3519

 29.6433, 32.3796,
13.3070


200.0781,
214.7353, 144.8066

 19.7147, 21.6516,
7.5071

243.2294,
260.7216, 181.6006

 12.2949, 13.6012,
3.6980

292.1778,
312.8450, 224.1521

 7.0185, 7.8438,
1.4612

347.2884,

 3.5201, 3.9952,

371.4899, 272.8800

0.1887

408.9267,
437.0406, 328.2025

■ 1.4344, 1.6709,
0.0000

■ 0.2805, 0.4047,
0.0000

■ 78.1350, 84.4727,
46.8370

■ 78.1350, 84.4727,
46.8370

■ 74.6534, 80.8046,
35.5185

■ 82.1217, 88.4132,
60.5985

■ 71.6425, 77.3854,
26.4908

■ 86.6329, 92.6253,
76.9323

■ 69.0730, 74.2061,
19.5933

■ 91.6949, 97.1229,
95.9647

■ 66.9099, 71.2520,
14.6417

95.0500, 100.0000,
108.9000

■ 65.1117, 68.5060,
11.4207

■ 63.6275, 65.9473,
9.6628

■ 63.1014, 64.9828,
9.2171

Harmonies

Analogous

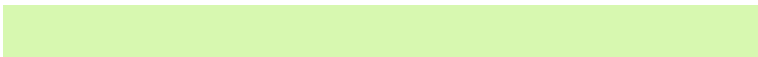
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.3677, 84.4727, 49.6560



78.1350, 84.4727, 46.8370



69.2507, 84.4727, 53.8982

Triad

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



78.1350, 84.4727, 46.8370



65.5709, 84.4727, 129.3097



99.5462, 84.4727, 116.2465

Complementary

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



78.1350, 84.4727, 46.8370



49.6777, 48.0527, 101.2645

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.



92.4415, 84.4727, 144.7491



78.1350, 84.4727, 46.8370



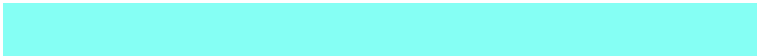
72.7179, 84.4727, 153.3348

Square

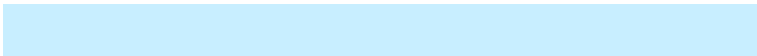
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.1350, 84.4727, 46.8370



62.4020, 84.4727, 98.3421



82.4818, 84.4727, 159.5105



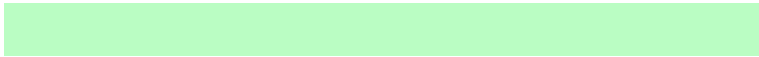
101.3033, 84.4727, 85.8915

Rectangle

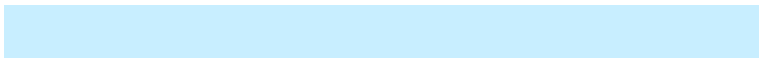
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.1350, 84.4727, 46.8370



65.0975, 84.4727, 64.3593



82.4818, 84.4727, 159.5105



97.6767, 84.4727, 126.5417

Sweetspot

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



78.1371, 84.4766, 46.8388



89.1330, 94.8727, 86.2513



62.7194, 50.8079, 50.4338



18.9322, 20.1767, 17.9139



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

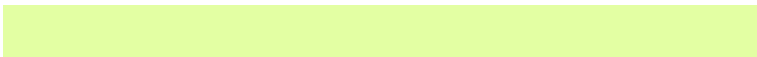
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.1371, 84.4766, 46.8388



75.6739, 81.9072, 38.7510



74.1761, 90.5605, 48.2218



19.2416, 20.4514, 19.0777



33.0787, 34.1687, 4.8518



3.2943, 3.4739, 0.4969

Inverse Universe

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



49.6777, 48.0527, 101.2645



43.5702, 40.8343, 100.1932



52.5334, 44.4400, 100.4166



17.2906, 17.9527, 22.8039



10.1058, 5.1211, 49.8904



1.0555, 0.6418, 4.8815

Previews

White Background



This preview shows how the XYZ color 78.1350, 84.4727, 46.8370 looks on a white background.

Color Contrast Check

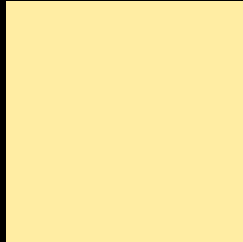
Large Text (above 18pt) WCAG AA × Fail

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 78.1350, 84.4727, 46.8370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

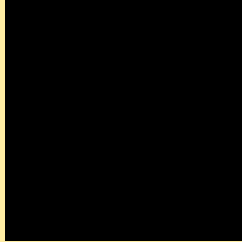
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.1350, 84.4727, 46.8370

Background



This preview shows how black text looks on a background with the XYZ color 78.1350, 84.4727, 46.8370.

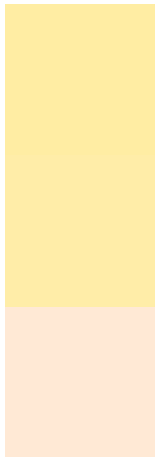


This preview shows how white text looks on a background with the XYZ color 78.1350, 84.4727,

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

78.1350, 84.4727, 46.8370

Protanopia

78.5921, 84.6555, 49.2437

Deuteranopia

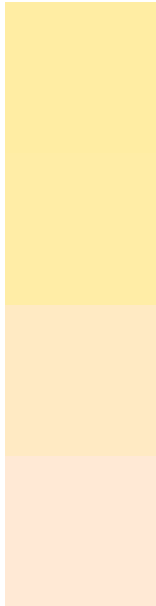
82.3892, 84.3419, 74.8880



Tritanopia

85.5638, 84.2644, 95.7594

Trichromacy



Original Color

78.1350, 84.4727, 46.8370

Protanomaly

78.4071, 84.5815, 48.2698

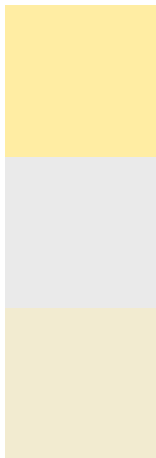
Deuteranomaly

80.5131, 84.0458, 63.6087

Tritanomaly

82.3892, 84.3419, 74.8880

Monochromacy



Original Color

78.1350, 84.4727, 46.8370

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.7114, 82.8480, 71.5699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.1350, 84.4727, 46.8370 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, 237, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 163)  
}
```

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, 237, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 163) }
```

Border

The CSS property to change the border of an element to XYZ 78.1350, 84.4727, 46.8370 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, 237, 163) }
```


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

```
.border{ border-color:rgb(255, 237, 163) }
```

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

Here you see how a box with a 4 pixel rgb(255, 237, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 78.1350, 84.4727, 46.8370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 163) }
```

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

```
.background{ background-color: rgb(255,  
237, 163) }
```

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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