

# Converting Colors

XYZ(96.3880, 92.7743, 47.1028)

Have a look what the booklet for  
XYZ(96.3880, 92.7743, 47.1028)  
contains.

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# Color

**XYZ(77.1844, 82.7143,  
46.0798)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEAA2
RGB	255, 234, 162
RGB Percent	100%, 92%, 64%
CMY	0.0000, 0.0823, 0.3647
CMYK	0.00, 0.08, 0.36, 0.00
HSL	46°, 100%, 82%
HSV	46°, 36%, 100%
XYZ	77.1844, 82.7143, 46.0798
YIQ	232.0710, 35.6280, -17.9400

# Conversions

## Conversions Part 2

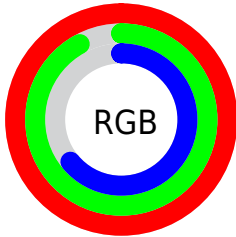
Format	Color
<a href="#">RYB</a>	<a href="#">189, 255, 162</a>
Decimal	<a href="#">16771746</a>
CIELab	<a href="#">92.89, -2.87, 37.58</a>
CIELCh	<a href="#">93, 37.692, 94.366</a>
Yxy	<a href="#">82.7143, 0.3747, 0.4016</a>
Android (android.graphics.Color)	<a href="#">4294961826 (0xFFFFEAA2)</a>
YUV	<a href="#">232.0710, -34.5450, 20.1087</a>
Hunter-Lab	<a href="#">90.9474, -7.6702, 33.6231</a>

# Details

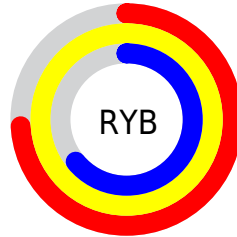
The XYZ color **77.1844, 82.7143, 46.0798** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **49.8833, 48.7668, 101.3915**, and the grayscale version is **76.9885, 80.9979, 88.2068**.

A 20% lighter version of the original color is **89.5244, 97.7898, 79.8025**, and **41.7067, 44.8152, 20.9200** is the 20% darker color. If you saturate the color by 10%, you get **73.5320, 78.6765, 34.7907**, and if you desaturate by 10%, it is **81.3539, 87.0501, 59.8107**.

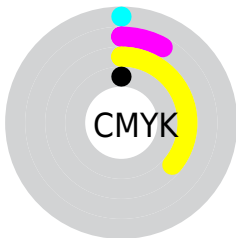
# Distribution



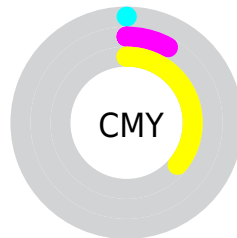
- Red (100%)
- Green (92%)
- Blue (64%)



- Red (74%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (8%)
- Yellow (36%)
- Black (0%)



- Cyan (0%)
- Magenta (8%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.1844, 82.7143, 46.0798 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 77.1844, 82.7143, 46.0798 by changing the saturation by 10% instead.



77.1844, 82.7143,  
46.0798

77.1844, 82.7143,  
46.0798

474.2748,  
504.0339, 387.4163

57.7047, 61.9545,  
31.9597

128.3712,  
137.1752, 85.6740

41.8136, 44.9959,  
21.0661

160.8090,  
171.6452, 111.9851

29.1458, 31.4542,  
12.9806

198.2969,  
211.4539, 143.1969

19.3360, 20.9450,  
7.2846

241.2002,  
256.9859, 179.7281

12.0188, 13.0838,  
3.5596

289.8843,  
308.6255, 221.9970

6.8288, 7.4863,  
1.3870

344.7145,

3.4006, 3.7680,

366.7571, 270.4224

0.1315

406.0562,  
431.7651, 325.4226

■ 1.3690, 1.5447,  
0.0000

■ 0.2340, 0.3199,  
0.0000

■ 77.1844, 82.7143,  
46.0798

■ 77.1844, 82.7143,  
46.0798

■ 73.5320, 78.6765,  
34.7907

■ 81.3539, 87.0501,  
59.8107

■ 70.3620, 74.9130,  
25.7908

■ 86.0603, 91.6837,  
76.1132

■ 67.6449, 71.4143,  
18.9184

■ 91.3299, 96.6294,  
95.1141

■ 65.3452, 68.1654,  
13.9885

95.0500, 100.0000,  
108.9000

■ 63.4211, 65.1486,  
10.7839

■ 61.8206, 62.3424,  
9.0335

■ 61.3054, 61.3908,  
8.6185

# Harmonies

## Analogous

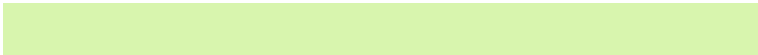
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0995, 82.7143, 49.4746



77.1844, 82.7143, 46.0798



68.4033, 82.7143, 52.2964

# Triad

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



77.1844, 82.7143, 46.0798



63.9965, 82.7143, 124.2825



96.9600, 82.7143, 115.6264

# Complementary

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



77.1844, 82.7143, 46.0798



49.8833, 48.7668, 101.3915

# 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.



89.8009, 82.7143, 142.6680



77.1844, 82.7143, 46.0798



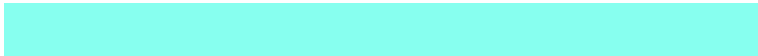
70.7047, 82.7143, 148.3534

# Square

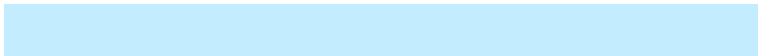
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.1844, 82.7143, 46.0798



61.2038, 82.7143, 94.2546



80.0682, 82.7143, 155.6985



99.0556, 82.7143, 85.9952

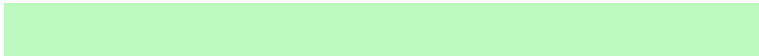


# Rectangle

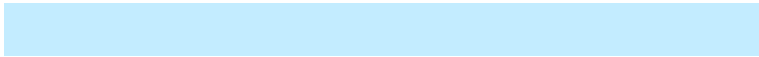
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.1844, 82.7143, 46.0798



64.2064, 82.7143, 62.0112



80.0682, 82.7143, 155.6985



95.0381, 82.7143, 125.5056

# Sweetspot

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



77.1865, 82.7181, 46.0815



88.8714, 94.3496, 86.1641



62.7812, 50.5497, 51.6318



18.8696, 20.0514, 17.8931



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

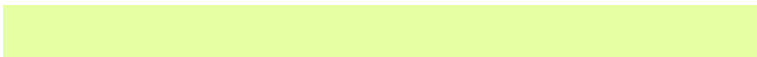
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.1865, 82.7181, 46.0815



74.3884, 79.6483, 37.3602



74.9793, 90.9849, 47.7935



19.1930, 20.3542, 19.0615



32.1508, 32.3128, 4.5425



3.2115, 3.3084, 0.4693



# Inverse Universe

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



49.8833, 48.7668, 101.3915



43.3694, 41.0944, 100.2539



51.4157, 43.6013, 100.3137



17.3356, 18.0428, 22.8189



10.3017, 5.5130, 49.9557



1.0807, 0.6920, 4.8899



# Previews

## White Background



This preview shows how the XYZ color 77.1844, 82.7143, 46.0798 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

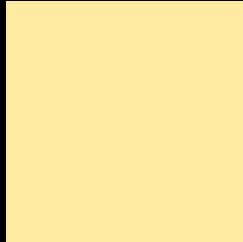
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.1844, 82.7143, 46.0798 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 77.1844, 82.7143, 46.0798**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.1844, 82.7143, 46.0798.



This preview shows how white text looks on a background with the XYZ color 77.1844, 82.7143,



# 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

77.1844, 82.7143, 46.0798

### Protanopia

76.8175, 82.5251, 46.0626

### Deuteranopia

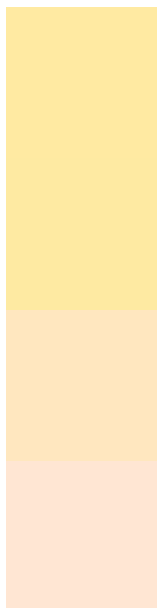
80.9220, 82.4077, 71.3157



## Tritanopia

84.2891, 82.4302, 93.1295

# Trichromacy



## Original Color

77.1844, 82.7143, 46.0798

## Protanomaly

76.8175, 82.5251, 46.0626

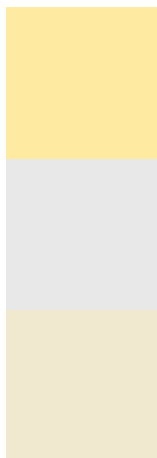
## Deuteranomaly

79.2199, 82.1734, 60.9759

## Tritanomaly

81.2947, 82.5568, 73.2784

# Monochromacy



## Original Color

77.1844, 82.7143, 46.0798

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

76.3366, 81.3081, 70.7021

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.1844, 82.7143, 46.0798 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, 234, 162)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 162)  
}
```

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, 234, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 162) }
```

## Border

The CSS property to change the border of an element to XYZ 77.1844, 82.7143, 46.0798 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, 234, 162) }
```



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

```
.border{ border-color:rgb(255, 234, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 162);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
162) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.1844, 82.7143, 46.0798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 162) }
```

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

```
.background{ background-color: rgb(255,  
234, 162) }
```

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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