

Converting Colors

XYZ(77.4038, 83.1749, 46.0854)

Have a look what the booklet for
XYZ(77.4038, 83.1749, 46.0854)
contains.

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Color

**XYZ(77.4699, 83.2853,
46.1750)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEBA2
RGB	255, 235, 162
RGB Percent	100%, 92%, 64%
CMY	0.0000, 0.0784, 0.3647
CMYK	0.00, 0.08, 0.36, 0.00
HSL	47°, 100%, 82%
HSV	47°, 36%, 100%
XYZ	77.4699, 83.2853, 46.1750
YIQ	232.6580, 35.3530, -18.4630

Conversions

Conversions Part 2

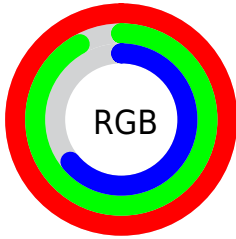
Format	Color
RYB	187, 255, 162
Decimal	16772002
CIELab	93.14, -3.37, 37.91
CIELCh	93, 38.060, 95.084
Yxy	83.2853, 0.3744, 0.4025
Android (android.graphics.Color)	4294962082 (0xFFFFEBA2)
YUV	232.6580, -34.8344, 19.5939
Hunter-Lab	91.2608, -8.1804, 33.8837

Details

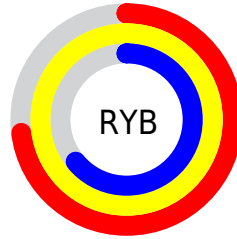
The XYZ color **77.4699, 83.2853, 46.1750** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **49.6778, 48.3558, 101.3230**, and the grayscale version is **77.4317, 81.4642, 88.7145**.

A 20% lighter version of the original color is **89.5244, 97.7898, 79.8025**, and **41.9064, 45.2146, 20.9866** is the 20% darker color. If you saturate the color by 10%, you get **73.8843, 79.3811, 34.9082**, and if you desaturate by 10%, it is **81.5677, 87.4777, 59.8820**.

Distribution



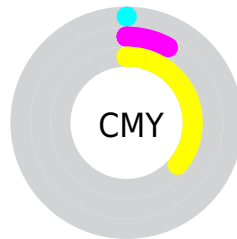
- Red (100%)
- Green (92%)
- Blue (64%)



- Red (73%)
- 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 77.4699, 83.2853, 46.1750 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 77.4699, 83.2853, 46.1750 by changing the saturation by 10% instead.


 77.4699, 83.2853,
46.1750


 77.4699, 83.2853,
46.1750


475.2321,
505.9369, 387.8098

 57.9399, 62.4255,
32.0343


 128.7719,
137.9750, 85.8179

 42.0034, 45.3766,
21.1226


 161.2746,
172.5737, 112.1571

 29.2951, 31.7542,
13.0216


198.8323,
212.5208, 143.3996

 19.4496, 21.1738,
7.3125

241.8102,
258.2008, 179.9639

 12.1015, 13.2511,
3.5769

290.5738,
309.9980, 222.2685

 6.8855, 7.6017,
1.3962

345.4884,

 3.4363, 3.8412,

368.2968, 270.7320

0.1388

406.9194,
433.4816, 325.7729

■ 1.3885, 1.5851,
0.0000

■ 0.2480, 0.3475,
0.0000

■ 77.4699, 83.2853,
46.1750

■ 77.4699, 83.2853,
46.1750

■ 73.8843, 79.3811,
34.9082

■ 81.5677, 87.4777,
59.8820

■ 70.7763, 75.7417,
25.9289

■ 86.1974, 91.9581,
76.1590

■ 68.1166, 72.3576,
19.0756

■ 91.3854, 96.7404,
95.1327

■ 65.8695, 69.2139,
14.1632

95.0500, 100.0000,
108.9000

■ 63.9934, 66.2932,
10.9747

■ 62.4364, 63.5740,
9.2388

■ 61.9355, 62.6510,
8.8285

Harmonies

Analogous

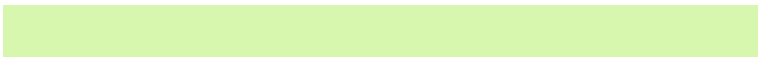
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5337, 83.2853, 49.3740



77.4699, 83.2853, 46.1750



68.6225, 83.2853, 52.6969

Triad

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



77.4699, 83.2853, 46.1750



64.4555, 83.2853, 126.1299



97.8951, 83.2853, 115.8972

Complementary

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



77.4699, 83.2853, 46.1750



49.6778, 48.3558, 101.3230

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.



90.7249, 83.2853, 143.5759



77.4699, 83.2853, 46.1750



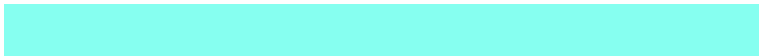
71.3384, 83.2853, 150.3015

Square

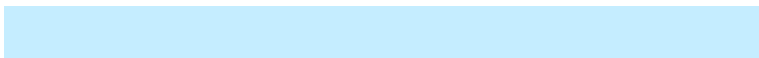
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.4699, 83.2853, 46.1750



61.5232, 83.2853, 95.6471



80.8749, 83.2853, 157.2766



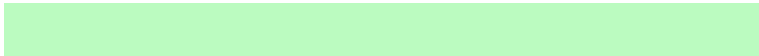
99.8817, 83.2853, 85.8947

Rectangle

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



77.4699, 83.2853, 46.1750



64.4275, 83.2853, 62.6934



80.8749, 83.2853, 157.2766



95.9832, 83.2853, 125.9662

Sweetspot

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



77.4720, 83.2891, 46.1767



88.9645, 94.5359, 86.1952



62.6199, 50.4852, 50.7825



18.8919, 20.0960, 17.9005



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.



77.4720, 83.2891, 46.1767



74.7247, 80.3209, 37.4723



74.4835, 90.7293, 47.7703



19.2103, 20.3888, 19.0673



32.4765, 32.9641, 4.6510



3.2406, 3.3666, 0.4790

Inverse Universe

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



49.6778, 48.3558, 101.3230



43.1475, 40.6505, 100.1800



51.7965, 43.7976, 100.3315



17.3195, 18.0106, 22.8135



10.2285, 5.3666, 49.9313



1.0714, 0.6735, 4.8868

Previews

White Background



This preview shows how the XYZ color 77.4699, 83.2853, 46.1750 looks on a white background.

Color Contrast Check

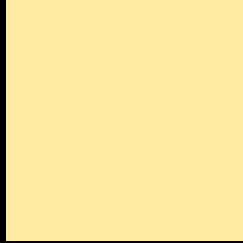
Large Text (above 18pt) WCAG AA × Fail

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 77.4699, 83.2853, 46.1750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

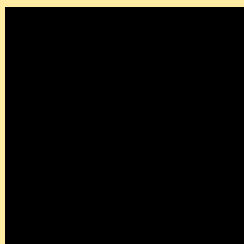
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.4699, 83.2853, 46.1750

Background



This preview shows how black text looks on a background with the XYZ color 77.4699, 83.2853, 46.1750.



This preview shows how white text looks on a background with the XYZ color 77.4699, 83.2853,

46.1750.

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

77.4699, 83.2853, 46.1750

Protanopia

77.1030, 83.0961, 46.1578

Deuteranopia

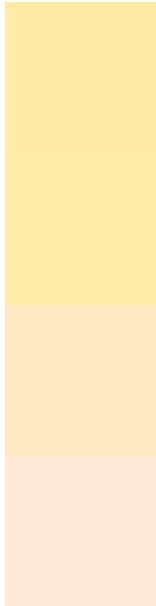
81.4488, 83.0650, 72.7131



Tritanopia

84.7116, 83.0381, 94.0012

Trichromacy



Original Color

77.4699, 83.2853, 46.1750

Protanomaly

77.1030, 83.0961, 46.1578

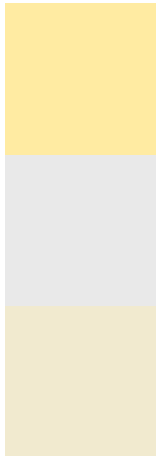
Deuteranomaly

79.7223, 82.8235, 62.2368

Tritanomaly

81.6996, 83.1653, 74.0338

Monochromacy



Original Color

77.4699, 83.2853, 46.1750

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

76.9609, 82.0514, 70.8127

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.4699, 83.2853, 46.1750 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, 235, 162)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 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, 235, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 162) }
```

Border

The CSS property to change the border of an element to XYZ 77.4699, 83.2853, 46.1750 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, 235, 162) }
```


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

```
.border{ border-color:rgb(255, 235, 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, 235, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 162);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 77.4699, 83.2853, 46.1750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 162) }
```

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

```
.background{ background-color: rgb(255,  
235, 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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