

Converting Colors

XYZ(77.7322, 83.7837, 58.0052)

Have a look what the booklet for
XYZ(77.7322, 83.7837, 58.0052)
contains.

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Color

**XYZ(77.4638, 83.4501,
57.9236)**

Conversions

Conversions Part 1

Format	Color
Hex	F8ECB9
RGB	248, 236, 185
RGB Percent	97%, 93%, 73%
CMY	0.0274, 0.0745, 0.2745
CMYK	0.00, 0.05, 0.25, 0.03
HSL	49°, 82%, 85%
HSV	49°, 25%, 97%
XYZ	77.4638, 83.4501, 57.9236
YIQ	233.7740, 23.5230, -13.3170

Conversions

Conversions Part 2

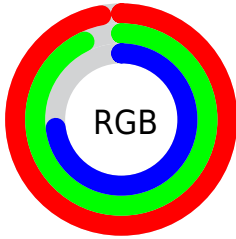
Format	Color
R_{YB}	200, 248, 185
Decimal	16313529
CIE _{Lab}	93.21, -3.69, 26.24
CIE _{LCh}	93, 26.499, 98.015
Yxy	83.4501, 0.3540, 0.3813
Android (android.graphics.Color)	4294503609 (0xFFF8ECB9)
YUV	233.7740, -24.0456, 12.4762
Hunter-Lab	91.3510, -8.5000, 26.3513

Details

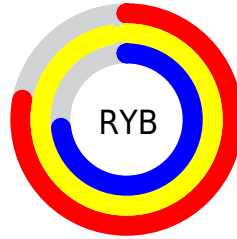
The XYZ color **77.4638, 83.4501, 57.9236** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **56.9168, 57.0227, 96.8140**, and the grayscale version is **78.2012, 82.2738, 89.5962**.

A 20% lighter version of the original color is **92.8772, 99.1309, 97.4581**, and **41.9720, 45.3848, 28.3778** is the 20% darker color. If you saturate the color by 10%, you get **73.7300, 79.8129, 44.8698**, and if you desaturate by 10%, it is **81.6946, 87.3494, 73.3979**.

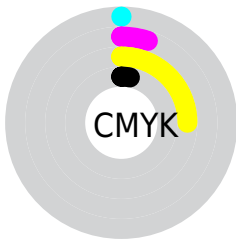
Distribution



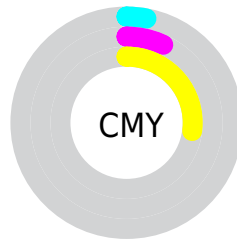
- Red (97%)
- Green (93%)
- Blue (73%)



- Red (78%)
- Yellow (97%)
- Blue (73%)



- Cyan (0%)
- Magenta (5%)
- Yellow (25%)
- Black (3%)



- Cyan (3%)
- Magenta (7%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4638, 83.4501, 57.9236 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 77.4638, 83.4501, 57.9236 by changing the saturation by 10% instead.

77.4638, 83.4501,
57.9236

77.4638, 83.4501,
57.9236

475.2116,
506.4854, 434.4915

57.9349, 62.5615,
41.3329

128.7633,
138.2057, 103.3253

41.9993, 45.4866,
28.2577

161.2647,
172.8415, 132.9734

29.2919, 31.8409,
18.2793

198.8208,
212.8285, 167.8110

19.4471, 21.2400,
10.9792

241.7972,
258.5511, 208.2568

12.0997, 13.2995,
5.9388

290.5591,
310.3937, 254.7291

6.8843, 7.6351,
2.7397

345.4719,

3.4355, 3.8624,

368.7407, 307.6467

0.9633

406.9010,
433.9764, 367.4280

■ 1.3881, 1.5969,
0.0000

■ 0.2477, 0.3555,
0.0000

■ 77.4638, 83.4501,
57.9236

■ 77.4638, 83.4501,
57.9236

■ 73.7300, 79.8129,
44.8698

■ 81.6946, 87.3494,
73.3979

■ 70.4627, 76.4164,
34.1064

■ 86.4381, 91.5089,
91.4034

■ 67.6380, 73.2536,
25.4987

■ 91.0004, 95.6542,
108.2746

■ 65.2269, 70.3125,
18.8961

■ 92.4874, 98.6283,
108.7703

■ 63.1969, 67.5795,
14.1284

■ 92.5216, 98.6965,
108.7817

■ 61.5100, 65.0390,
10.9971

■ 60.1195, 62.6719,
9.2572

■ 59.5478, 61.6289,
8.7571

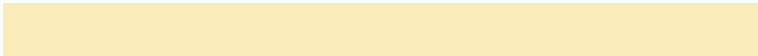
Harmonies

Analogous

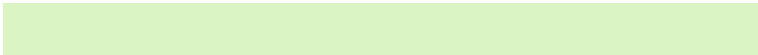
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4378, 83.4501, 59.7308



77.4638, 83.4501, 57.9236



71.3501, 83.4501, 63.8666

Triad

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



77.4638, 83.4501, 57.9236



69.2247, 83.4501, 116.5956



92.3973, 83.4501, 105.9944

Complementary

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



77.4638, 83.4501, 57.9236



56.9168, 57.0227, 96.8140

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.



87.8556, 83.4501, 124.5614



77.4638, 83.4501, 57.9236



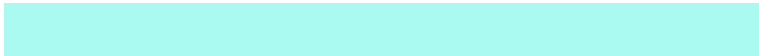
74.4071, 83.4501, 131.2793

Square

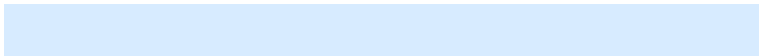
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.4638, 83.4501, 57.9236



66.7784, 83.4501, 96.3174



81.1992, 83.4501, 134.3900



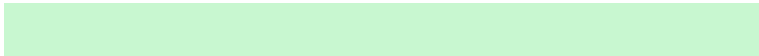
93.3340, 83.4501, 85.6185

Rectangle

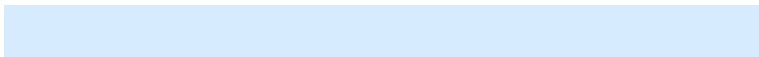
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.4638, 83.4501, 57.9236



68.4893, 83.4501, 72.0198



81.1992, 83.4501, 134.3900



91.2293, 83.4501, 112.7358

Sweetspot

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



77.4660, 83.4539, 57.9254



90.7111, 96.3019, 92.1018



66.2081, 58.7142, 61.0289



19.2500, 20.4682, 19.0805



0.0000, 0.0000, 0.0000



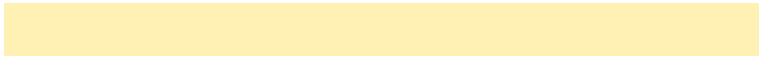
20.3446, 21.4041, 23.3091

Same Dimension

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



77.4660, 83.4539, 57.9254



80.6145, 87.0711, 54.9407



74.6700, 87.3126, 58.8175



18.4300, 19.5960, 18.2734



32.2661, 33.4888, 4.7634



3.0582, 3.2412, 0.4644

Inverse Universe

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



56.9168, 57.0227, 96.8140



55.6094, 54.9129, 102.2761



59.1676, 54.2996, 96.1697



16.5504, 17.1777, 21.8286



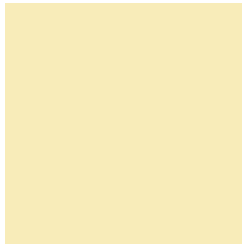
9.7814, 4.9184, 48.4074



0.9750, 0.5937, 4.5064

Previews

White Background



This preview shows how the XYZ color 77.4638, 83.4501, 57.9236 looks on a white background.

Color Contrast Check

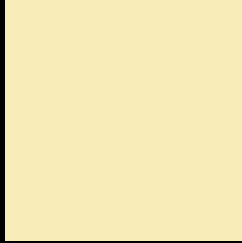
Large Text (above 18pt) WCAG AA × Fail

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 77.4638, 83.4501, 57.9236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

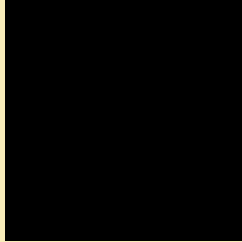
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.4638, 83.4501, 57.9236

Background



This preview shows how black text looks on a background with the XYZ color 77.4638, 83.4501, 57.9236.

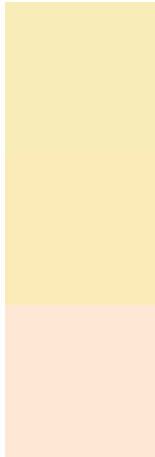


This preview shows how white text looks on a background with the XYZ color 77.4638, 83.4501,

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

77.4638, 83.4501, 57.9236

Protanopia

78.2489, 83.4287, 57.8781

Deuteranopia

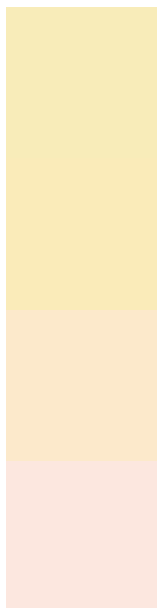
81.9535, 83.2669, 75.3710



Tritanopia

85.4648, 83.3394, 97.9678

Trichromacy



Original Color

77.4638, 83.4501, 57.9236

Protanomaly

77.8896, 83.2434, 57.8613

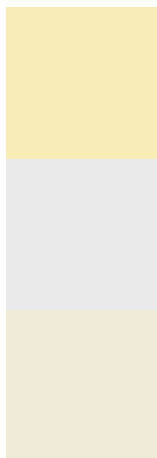
Deuteranomaly

80.0633, 83.2851, 68.3558

Tritanomaly

82.0401, 83.1750, 81.5424

Monochromacy



Original Color

77.4638, 83.4501, 57.9236

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.6996, 82.7253, 76.8381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.4638, 83.4501, 57.9236 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(248, 236, 185)` looks like.

```
.text, #text, p{  
    color:rgb(248, 236, 185)  
}
```

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(248, 236, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 236, 185) }
```

Border

The CSS property to change the border of an element to XYZ 77.4638, 83.4501, 57.9236 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(248, 236, 185) }
```


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

```
.border{ border-color:rgb(248, 236, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 236, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 236, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 236, 185);  
box-shadow:4px 4px 4px 4px rgb(248, 236,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 77.4638, 83.4501, 57.9236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 236, 185) }
```

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

```
.background{ background-color: rgb(248,  
236, 185) }
```

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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