

Converting Colors

XYZ(77.7471, 83.1424, 58.9829)

Have a look what the booklet for
XYZ(77.7471, 83.1424, 58.9829)
contains.

XYZ(77.7449, 83.1443, 58.9646)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.7449, 83.1443,
58.9646)**

Conversions

Conversions Part 1

Format	Color
Hex	F9EBBB
RGB	249, 235, 187
RGB Percent	98%, 92%, 73%
CMY	0.0235, 0.0784, 0.2667
CMYK	0.00, 0.06, 0.25, 0.02
HSL	46°, 84%, 85%
HSV	46°, 25%, 98%
XYZ	77.7449, 83.1443, 58.9646
YIQ	233.7140, 23.7520, -11.9600

Conversions

Conversions Part 2

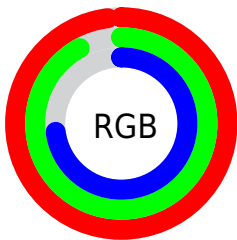
Format	Color
R _Y B	205, 249, 187
Decimal	16378811
CIE Lab	93.08, -2.55, 25.04
CIE LCh	93, 25.175, 95.824
Yxy	83.1443, 0.3536, 0.3782
Android (android.graphics.Color)	4294568891 (0xFFF9EBBB)
YUV	233.7140, -23.0300, 13.4058
Hunter-Lab	91.1835, -7.3784, 25.4881

Details

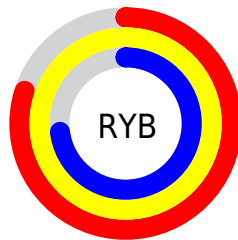
The XYZ color **77.7449, 83.1443, 58.9646** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **58.4787, 59.1761, 97.9628**, and the grayscale version is **78.1483, 82.2181, 89.5356**.

A 20% lighter version of the original color is **93.1777, 99.2511, 99.0404**, and **42.1614, 45.1679, 29.0504** is the 20% darker color. If you saturate the color by 10%, you get **73.7240, 79.0046, 45.5937**, and if you desaturate by 10%, it is **82.2833, 87.5781, 74.7901**.

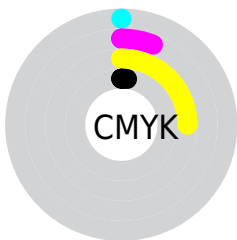
Distribution



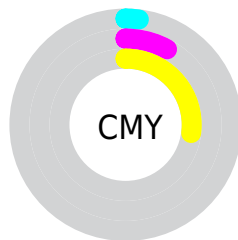
- Red (98%)
- Green (92%)
- Blue (73%)



- Red (80%)
- Yellow (98%)
- Blue (73%)



- Cyan (0%)
- Magenta (6%)
- Yellow (25%)
- Black (2%)



- Cyan (2%)
- Magenta (8%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7449, 83.1443, 58.9646 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 77.7449, 83.1443, 58.9646 by changing the saturation by 10% instead.

77.7449, 83.1443,
58.9646

77.7449, 83.1443,
58.9646

476.1531,
505.4673, 438.4689

58.1665, 62.3092,
42.1648

129.1577,
137.7775, 104.8548

42.1863, 45.2826,
28.9038

161.7228,
172.3445, 134.7823

29.4389, 31.6801,
18.7631

199.3476,
212.2575, 169.9228

19.5591, 21.1172,
11.3242

242.3973,
257.9009, 210.6948

12.1813, 13.2097,
6.1684

291.2374,
309.6593, 257.5169

6.9404, 7.5731,
2.8773

346.2331,

3.4708, 3.8230,

367.9168, 310.8076

1.0323

407.7499,
433.0581, 370.9854

■ 1.4074, 1.5751,
0.0000

■ 0.2615, 0.3407,
0.0000

■ 77.7449, 83.1443,
58.9646

■ 77.7449, 83.1443,
58.9646

■ 73.7240, 79.0046,
45.5937

■ 82.2833, 87.5781,
74.7901

■ 70.1896, 75.1372,
34.5465

■ 87.3552, 92.3046,
93.1817

■ 67.1176, 71.5346,
25.6876

■ 91.8858, 96.8973,
108.4679

■ 64.4788, 68.1844,
18.8657

■ 92.8770, 98.8798,
108.7983

■ 62.2401, 65.0726,
13.9098

■ 60.3635, 62.1832,
10.6213

■ 58.8020, 59.4965,
8.7555

■ 58.0922, 58.1900,
8.1700

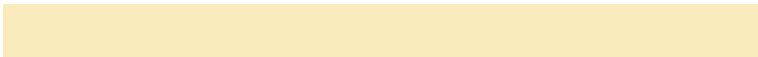
Harmonies

Analogous

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



84.3398, 83.1443, 61.2483



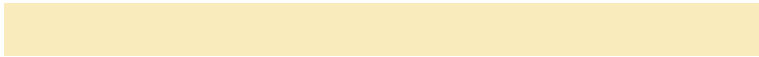
77.7449, 83.1443, 58.9646



71.8265, 83.1443, 64.1359

Triad

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



77.7449, 83.1443, 58.9646



69.1737, 83.1443, 113.5200



91.1822, 83.1443, 106.2501

Complementary

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



77.7449, 83.1443, 58.9646



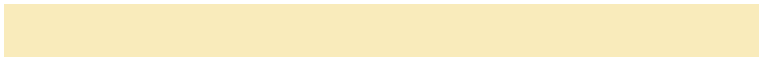
58.4787, 59.1761, 97.9628

Split Complementary

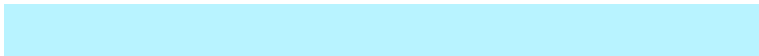
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.6916, 83.1443, 123.3231



77.7449, 83.1443, 58.9646



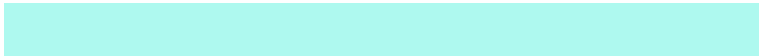
73.9405, 83.1443, 127.9127

Square

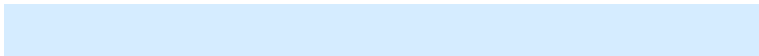
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.7449, 83.1443, 58.9646



67.0581, 83.1443, 94.2698



80.3214, 83.1443, 131.7286



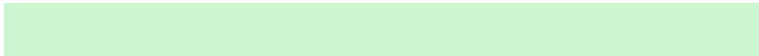
92.3397, 83.1443, 86.8904

Rectangle

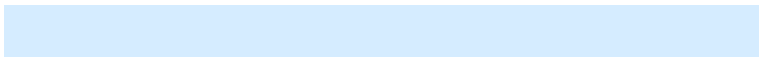
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.7449, 83.1443, 58.9646



68.9822, 83.1443, 71.6050



80.3214, 83.1443, 131.7286



90.0006, 83.1443, 112.5263

Sweetspot

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



77.7471, 83.1480, 58.9663



91.0361, 96.3594, 94.0368



67.4356, 59.9205, 63.5592



19.4143, 20.5593, 19.8673



0.0000, 0.0000, 0.0000



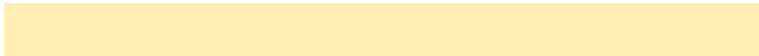
20.3446, 21.4041, 23.3091

Same Dimension

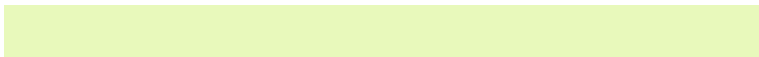
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.7471, 83.1480, 58.9663



79.8230, 85.4880, 54.6769



76.2763, 88.5737, 60.0911



18.3757, 19.4872, 18.2553



31.2074, 31.3714, 4.4105



2.9688, 3.0625, 0.4346

Inverse Universe

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



58.4787, 59.1761, 97.9628



56.2125, 56.1192, 102.4771



59.6443, 55.1529, 97.1248



16.6008, 17.2784, 21.8454



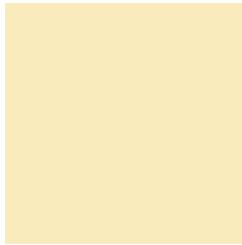
10.0019, 5.3594, 48.4809



1.0022, 0.6482, 4.5155

Previews

White Background



This preview shows how the XYZ color 77.7449, 83.1443, 58.9646 looks on a white background.

Color Contrast Check

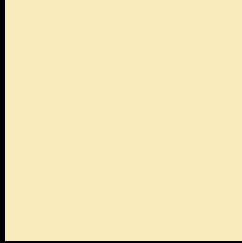
Large Text (above 18pt) WCAG AA × Fail

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 77.7449, 83.1443, 58.9646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

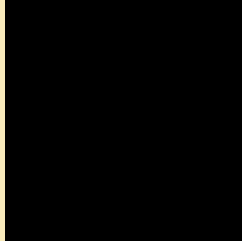
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.7449, 83.1443, 58.9646

Background



This preview shows how black text looks on a background with the XYZ color 77.7449, 83.1443, 58.9646.

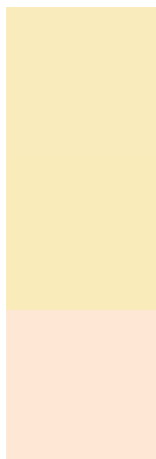


This preview shows how white text looks on a background with the XYZ color 77.7449, 83.1443,

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

77.7449, 83.1443, 58.9646

Protanopia

78.1023, 83.3285, 58.9813

Deuteranopia

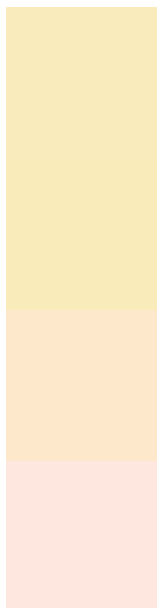
81.9535, 83.2669, 75.3710



Tritanopia

85.3125, 83.2785, 97.1658

Trichromacy



Original Color

77.7449, 83.1443, 58.9646

Protanomaly

78.1023, 83.3285, 58.9813

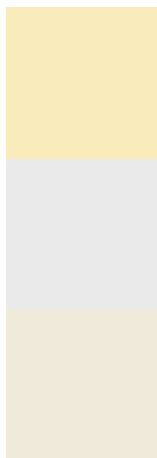
Deuteranomaly

80.2637, 82.9555, 68.9084

Tritanomaly

82.4032, 83.3622, 81.5594

Monochromacy



Original Color

77.7449, 83.1443, 58.9646

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.5438, 82.2061, 77.4260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.7449, 83.1443, 58.9646 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(249, 235, 187)` looks like.

```
.text, #text, p{  
    color:rgb(249, 235, 187)  
}
```

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(249, 235, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 235, 187) }
```

Border

The CSS property to change the border of an element to XYZ 77.7449, 83.1443, 58.9646 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(249, 235, 187) }
```


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

```
.border{ border-color:rgb(249, 235, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 235, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 235, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 235, 187);  
box-shadow:4px 4px 4px 4px rgb(249, 235,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 77.7449, 83.1443, 58.9646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 235, 187) }
```

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

```
.background{ background-color: rgb(249,  
235, 187) }
```

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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