

Converting Colors

XYZ(91.0871, 89.8775, 77.6365)

Have a look what the booklet for
XYZ(91.0871, 89.8775, 77.6365)
contains.

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Color

**XYZ(83.6301, 86.2088,
77.1979)**

Conversions

Conversions Part 1

Format	Color
Hex	FFECD8
RGB	255, 236, 216
RGB Percent	100%, 93%, 85%
CMY	0.0000, 0.0745, 0.1529
CMYK	0.00, 0.07, 0.15, 0.00
HSL	31°, 100%, 92%
HSV	31°, 15%, 100%
XYZ	83.6301, 86.2088, 77.1979
YIQ	239.4010, 17.7440, -2.1920

Conversions

Conversions Part 2

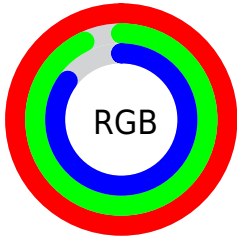
Format	Color
R_{YB}	253, 255, 216
Decimal	16772312
CIE _{Lab}	94.40, 3.25, 12.01
CIE _{LCh}	94, 12.441, 74.849
Yxy	86.2088, 0.3385, 0.3490
Android (android.graphics.Color)	4294962392 (0xFFFFECD8)
YUV	239.4010, -11.5367, 13.6803
Hunter-Lab	92.8487, -1.7078, 15.6981

Details

The XYZ color **83.6301, 86.2088, 77.1979** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.0764, 81.2332, 106.2777**, and the grayscale version is **82.4358, 86.7289, 94.4477**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0430, 47.2215, 40.4061** is the 20% darker color. If you saturate the color by 10%, you get **77.1339, 78.0891, 60.0105**, and if you desaturate by 10%, it is **90.8907, 95.0378, 97.1663**.

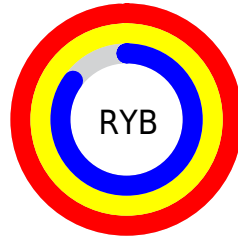
Distribution



Red (100%)

Green (93%)

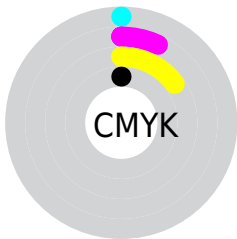
Blue (85%)



Red (99%)

Yellow (100%)

Blue (85%)

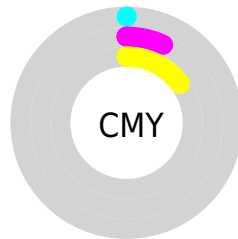


Cyan (0%)

Magenta (7%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.6301, 86.2088, 77.1979 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 83.6301, 86.2088, 77.1979 by changing the saturation by 10% instead.


 83.6301, 86.2088,
77.1979

 83.6301, 86.2088,
77.1979


495.6363,
515.6195, 504.8941

 63.0288, 64.8406,
56.9028


137.3816,
142.0608, 131.1944

 46.1232, 47.3319,
40.5184

171.2624,
177.3135, 165.7328

 32.5481, 33.2981,
27.6261


210.3005,
217.9631, 205.8561

 21.9381, 22.3549,
17.8074

254.8611,
264.3941, 251.9827

 13.9277, 14.1179,
10.6438

305.3096,
316.9908, 304.5313

 8.1518, 8.2027,
5.7167

362.0114,

 4.2449, 4.2249,

376.1377, 363.9204

2.6076

425.3319,
442.2191, 430.5685

■ 1.8416, 1.8002,
0.8964

■ 0.5425, 0.4873,
0.0000

■ 83.6301, 86.2088,
77.1979

■ 83.6301, 86.2088,
77.1979

■ 77.1339, 78.0891,
60.0105

■ 90.8907, 95.0378,
97.1663

■ 71.3675, 70.6484,
45.4732

95.0500, 100.0000,
108.9000

■ 66.3024, 63.8697,
33.4523

■ 61.9055, 57.7312,
23.8006

■ 58.1407, 52.2098,
16.3550

■ 54.9678, 47.2800,
10.9317

■ 52.3403, 42.9137,
7.3164

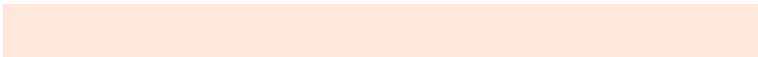
■ 50.2024, 39.0786,
5.2448

■ 49.3301, 37.4402,
4.6267

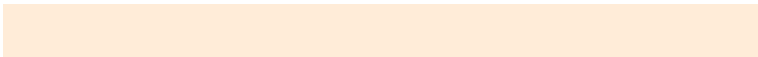
Harmonies

Analogous

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



86.5802, 86.2088, 81.4753



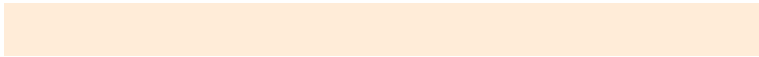
83.6301, 86.2088, 77.1979



80.3029, 86.2088, 77.1759

Triad

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



83.6301, 86.2088, 77.1979



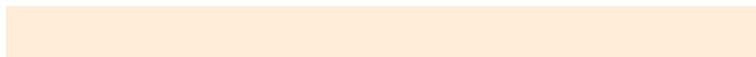
75.8824, 86.2088, 98.6631



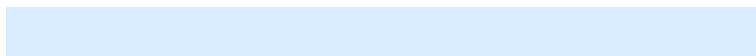
86.5554, 86.2088, 107.5299

Complementary

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



83.6301, 86.2088, 77.1979



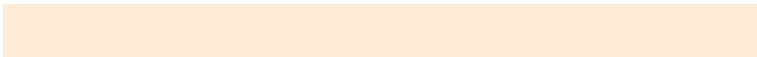
76.0764, 81.2332, 106.2777

Split Complementary

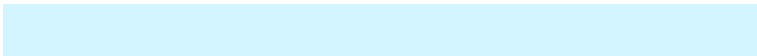
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.5970, 86.2088, 112.8056



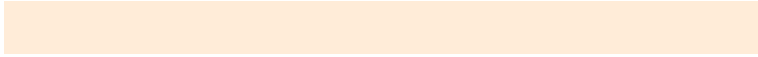
83.6301, 86.2088, 77.1979



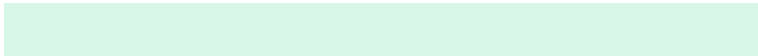
77.4664, 86.2088, 107.4549

Square

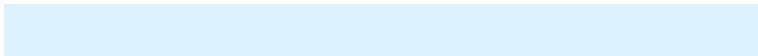
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.6301, 86.2088, 77.1979



75.8907, 86.2088, 89.1379



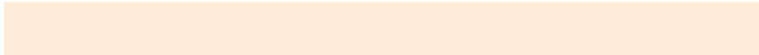
80.2706, 86.2088, 112.7773



88.3002, 86.2088, 98.7600

Rectangle

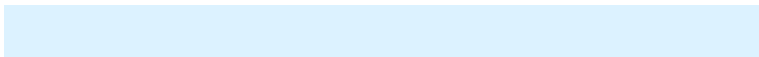
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.6301, 86.2088, 77.1979



78.3211, 86.2088, 79.5575



80.2706, 86.2088, 112.7773



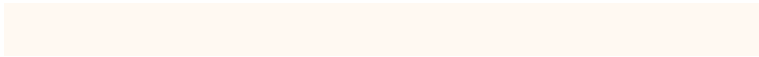
85.6664, 86.2088, 109.7964

Sweetspot

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



83.6322, 86.2125, 77.1997



91.1155, 95.3076, 97.7953



80.8642, 76.3998, 89.4618



19.3875, 20.2617, 20.6107



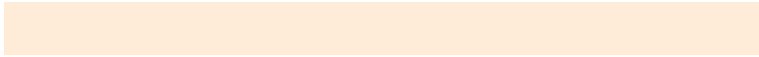
0.0000, 0.0000, 0.0000



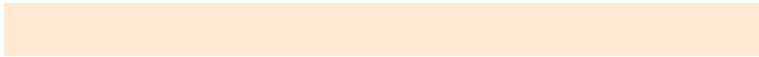
20.3446, 21.4041, 23.3091

Same Dimension

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



83.6322, 86.2125, 77.1997



81.7995, 83.9454, 72.2783



89.3949, 97.7380, 79.1206



18.7799, 19.5280, 18.9238



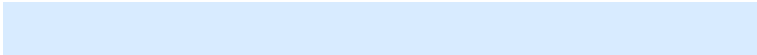
25.9262, 19.8636, 2.4676



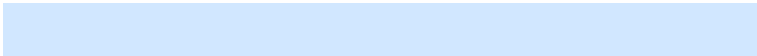
2.6337, 2.1528, 0.2767

Inverse Universe

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



76.0764, 81.2332, 106.2777



73.0763, 78.1968, 105.8497



70.9257, 70.9318, 104.5608



17.7333, 18.8383, 22.9514



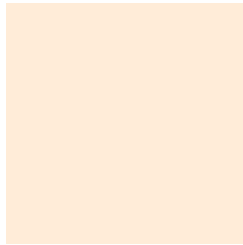
13.3587, 11.6270, 50.9747



1.4096, 1.3498, 4.9995

Previews

White Background



This preview shows how the XYZ color 83.6301, 86.2088, 77.1979 looks on a white background.

Color Contrast Check

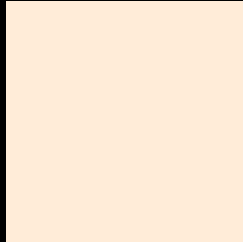
Large Text (above 18pt) WCAG AA × Fail

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 83.6301, 86.2088, 77.1979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

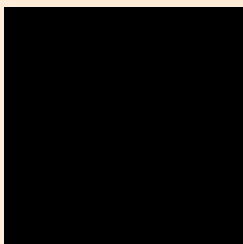
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

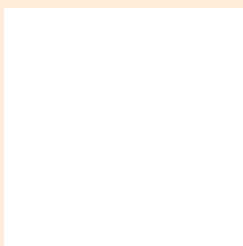
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.6301, 86.2088, 77.1979

Background



This preview shows how black text looks on a background with the XYZ color 83.6301, 86.2088, 77.1979.

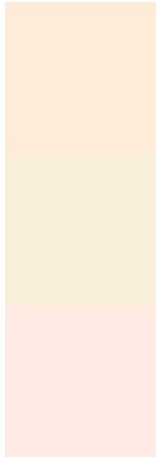


This preview shows how white text looks on a background with the XYZ color 83.6301, 86.2088,

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

83.6301, 86.2088, 77.1979

Protanopia

81.8103, 86.1153, 77.9557

Deuteranopia

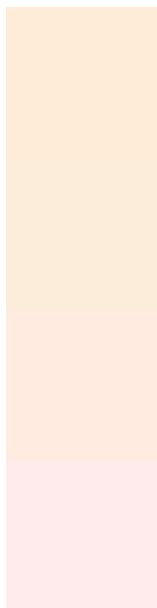
84.9519, 86.2781, 85.5747



Tritanopia

87.1674, 86.2532, 100.0500

Trichromacy



Original Color

83.6301, 86.2088, 77.1979

Protanomaly

82.5922, 86.0874, 77.9091

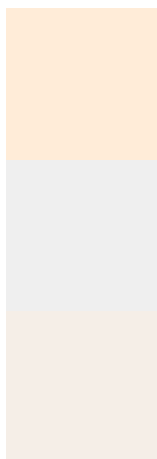
Deuteranomaly

84.4029, 86.0585, 82.6834

Tritanomaly

85.8031, 86.1618, 91.4655

Monochromacy



Original Color

83.6301, 86.2088, 77.1979

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

82.6545, 86.3311, 87.9085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.6301, 86.2088, 77.1979 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, 236, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 216)  
}
```

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, 236, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 216) }
```

Border

The CSS property to change the border of an element to XYZ 83.6301, 86.2088, 77.1979 is called "border". The border property can be set on classes, ids or directly on the HTML element.

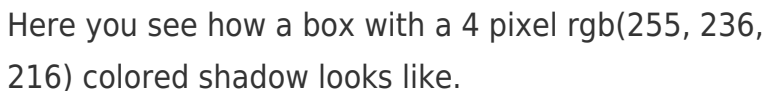
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 236, 216) }
```


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

```
.border{ border-color:rgb(255, 236, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 236, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 236, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 236, 216); box-shadow:4px 4px 4px 4px rgb(255, 236, 216) }
```

Background

The CSS property to change the background color of an element to XYZ 83.6301, 86.2088, 77.1979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 216) }
```

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

```
.background{ background-color: rgb(255,  
236, 216) }
```

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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