

Converting Colors

XYZ(109.1727, 100.0000,
60.2322)

Have a look what the booklet for
XYZ(109.1727, 100.0000, 60.2322)
contains.

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Color

**XYZ(80.3871, 85.3735,
58.6963)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEDBA
RGB	255, 237, 186
RGB Percent	100%, 93%, 73%
CMY	0.0000, 0.0706, 0.2706
CMYK	0.00, 0.07, 0.27, 0.00
HSL	44°, 100%, 86%
HSV	44°, 27%, 100%
XYZ	80.3871, 85.3735, 58.6963
YIQ	236.5680, 27.0990, -12.0450

Conversions

Conversions Part 2

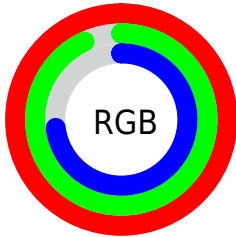
Format	Color
R _Y B	210, 255, 186
Decimal	16772538
CIE Lab	94.04, -1.48, 26.96
CIE LCh	94, 26.999, 93.145
Yxy	85.3735, 0.3581, 0.3804
Android (android.graphics.Color)	4294962618 (0xFFFFEDBA)
YUV	236.5680, -24.9300, 16.1649
Hunter-Lab	92.3978, -6.3991, 27.0141

Details

The XYZ color **80.3871, 85.3735, 58.6963** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.8921, 60.8431, 103.1950**, and the grayscale version is **80.3368, 84.5206, 92.0429**.

A 20% lighter version of the original color is **93.0270, 99.1908, 98.2471**, and **44.0462, 46.7470, 28.8919** is the 20% darker color. If you saturate the color by 10%, you get **76.0253, 80.6078, 45.0404**, and if you desaturate by 10%, it is **85.3083, 90.4831, 74.9274**.

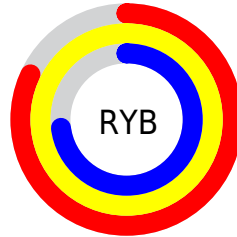
Distribution



Red (100%)

Green (93%)

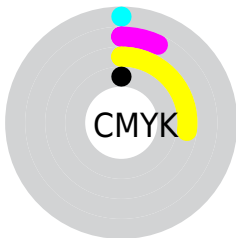
Blue (73%)



Red (82%)

Yellow (100%)

Blue (73%)

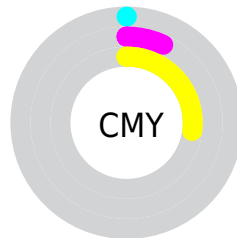


Cyan (0%)

Magenta (7%)

Yellow (27%)

Black (0%)



Cyan (0%)

Magenta (7%)

Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.3871, 85.3735, 58.6963 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 80.3871, 85.3735, 58.6963 by changing the saturation by 10% instead.


 80.3871, 85.3735,
58.6963

 80.3871, 85.3735,
58.6963

484.9531,
512.8631, 437.4460

 60.3465, 64.1500,
41.9503


 132.8575,
140.8949, 104.4609

 43.9485, 46.7722,
28.7371


166.0180,
175.9616, 134.3166

 30.8278, 32.8556,
18.6382

204.2826,
216.4115, 169.3793

 20.6189, 22.0159,
11.2350

248.0165,
262.6291, 210.0674

 12.9566, 13.8686,
6.1089

297.5852,
314.9986, 256.7996

 7.4755, 8.0293,
2.8416

353.3539,

 3.8101, 4.1137,

373.9045, 309.9945

1.0143

415.6881,
439.7313, 370.0704

■ 1.5953, 1.7374,
0.0000

■ 0.3893, 0.4477,
0.0000

■ 80.3871, 85.3735,
58.6963

■ 80.3871, 85.3735,
58.6963

■ 76.0253, 80.6078,
45.0404

■ 85.3083, 90.4831,
74.9274

■ 72.1901, 76.1629,
33.8185

■ 90.8073, 95.9364,
93.8539

■ 68.8548, 72.0297,
24.8842

95.0500, 100.0000,
108.9000

■ 65.9873, 68.1941,
18.0728

■ 63.5515, 64.6405,
13.1976

■ 61.5049, 61.3505,
10.0392

■ 59.7935, 58.3012,
8.3172

■ 59.3301, 57.4403,
7.9600

Harmonies

Analogous

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



87.5668, 85.3735, 61.8574



80.3871, 85.3735, 58.6963



73.8021, 85.3735, 63.5318

Triad

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



80.3871, 85.3735, 58.6963



70.0871, 85.3735, 116.3870



94.1455, 85.3735, 112.0610

Complementary

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



80.3871, 85.3735, 58.6963



59.8921, 60.8431, 103.1950

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.



88.9594, 85.3735, 130.3006



80.3871, 85.3735, 58.6963



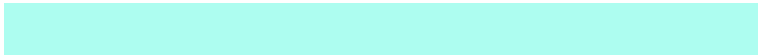
75.0450, 85.3735, 133.0466

Square

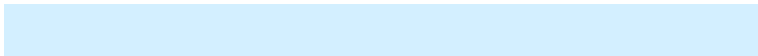
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.3871, 85.3735, 58.6963



68.0807, 85.3735, 95.1515



81.9075, 85.3735, 138.4785



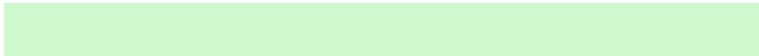
95.7819, 85.3735, 90.7970

Rectangle

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



80.3871, 85.3735, 58.6963



70.5548, 85.3735, 71.1287



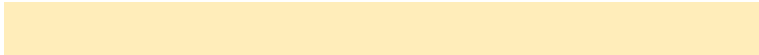
81.9075, 85.3735, 138.4785



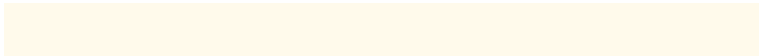
92.7450, 85.3735, 118.8489

Sweetspot

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



80.3892, 85.3773, 58.6981



90.2639, 95.4075, 91.9527



69.7467, 60.7577, 65.4310



19.1368, 20.2418, 19.0428



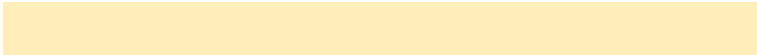
0.0000, 0.0000, 0.0000



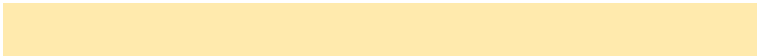
20.3446, 21.4041, 23.3091

Same Dimension

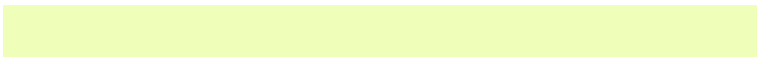
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3892, 85.3773, 58.6981



78.1647, 82.9789, 51.6352



80.1862, 93.3987, 60.2571



19.1368, 20.2418, 19.0428



31.1290, 30.2692, 4.2019



3.1196, 3.1247, 0.4387

Inverse Universe

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



59.8921, 60.8431, 103.1950



54.8157, 55.0369, 102.3418



59.9940, 54.9095, 102.0443



17.3881, 18.1478, 22.8364



10.5668, 6.0432, 50.0441



1.1130, 0.7567, 4.9007

Previews

White Background



This preview shows how the XYZ color 80.3871, 85.3735, 58.6963 looks on a white background.

Color Contrast Check

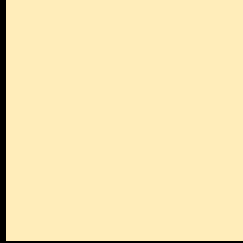
Large Text (above 18pt) WCAG AA × Fail

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 80.3871, 85.3735, 58.6963 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 80.3871, 85.3735, 58.6963

Background



This preview shows how black text looks on a background with the XYZ color 80.3871, 85.3735, 58.6963.



This preview shows how white text looks on a background with the XYZ color 80.3871, 85.3735,

58.6963.

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

80.3871, 85.3735, 58.6963

Protanopia

79.9455, 85.5769, 58.7588

Deuteranopia

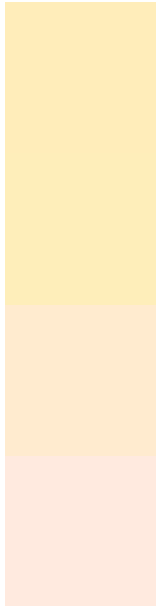
83.4490, 85.2201, 79.0687



Tritanopia

86.4257, 85.5049, 97.5369

Trichromacy



Original Color

80.3871, 85.3735, 58.6963

Protanomaly

80.3105, 85.7651, 58.7759

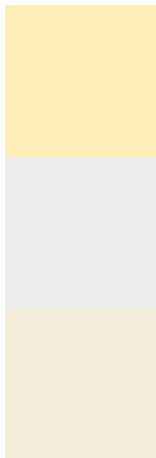
Deuteranomaly

82.2108, 85.1817, 71.1402

Tritanomaly

83.9821, 85.4334, 81.8760

Monochromacy



Original Color

80.3871, 85.3735, 58.6963

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.2473, 84.8634, 78.4805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.3871, 85.3735, 58.6963 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, 237, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 186)  
}
```

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, 237, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 186) }
```

Border

The CSS property to change the border of an element to XYZ 80.3871, 85.3735, 58.6963 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, 237, 186) }
```


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

```
.border{ border-color:rgb(255, 237, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 237, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 186);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 80.3871, 85.3735, 58.6963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 186) }
```

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

```
.background{ background-color: rgb(255,  
237, 186) }
```

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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