

Converting Colors

XYZ(86.3623, 87.9047, 63.2622)

Have a look what the booklet for
XYZ(86.3623, 87.9047, 63.2622)
contains.

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Color

**XYZ(80.9731, 85.1459,
63.2060)**

Conversions

Conversions Part 1

Format	Color
Hex	FFECC2
RGB	255, 236, 194
RGB Percent	100%, 93%, 76%
CMY	0.0000, 0.0745, 0.2392
CMYK	0.00, 0.07, 0.24, 0.00
HSL	41°, 100%, 88%
HSV	41°, 24%, 100%
XYZ	80.9731, 85.1459, 63.2060
YIQ	236.8930, 24.8060, -9.0340

Conversions

Conversions Part 2

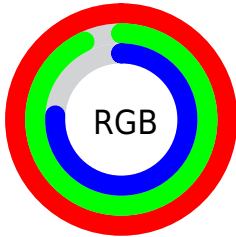
Format	Color
R _Y B	222, 255, 194
Decimal	16772290
CIE Lab	93.95, 0.09, 22.72
CIE LCh	94, 22.724, 89.781
Yxy	85.1459, 0.3531, 0.3713
Android (android.graphics.Color)	4294962370 (0xFFFFECC2)
YUV	236.8930, -21.1462, 15.8798
Hunter-Lab	92.2745, -4.8424, 23.9798

Details

The XYZ color **80.9731, 85.1459, 63.2060** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **64.0918, 66.2760, 104.0223**, and the grayscale version is **80.5599, 84.7553, 92.2985**.

A 20% lighter version of the original color is **94.4126, 99.7450, 105.5434**, and **44.3436, 46.5417, 31.4572** is the 20% darker color. If you saturate the color by 10%, you get **76.1163, 79.6290, 48.6496**, and if you desaturate by 10%, it is **86.4270, 91.0701, 80.3879**.

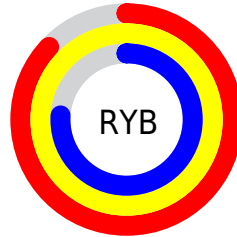
Distribution



Red (100%)

Green (93%)

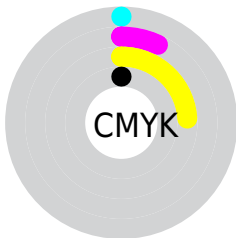
Blue (76%)



Red (87%)

Yellow (100%)

Blue (76%)

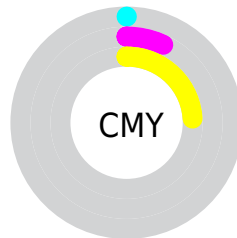


Cyan (0%)

Magenta (7%)

Yellow (24%)

Black (0%)



Cyan (0%)

Magenta (7%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.9731, 85.1459, 63.2060 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 80.9731, 85.1459, 63.2060 by changing the saturation by 10% instead.

80.9731, 85.1459,
63.2060

80.9731, 85.1459,
63.2060

486.8930,
512.1107, 454.4452

60.8307, 63.9619,
45.5658

133.6764,
140.5770, 111.0551

44.3405, 46.6198,
31.5571

166.9679,
175.5929, 142.1011

31.1374, 32.7352,
20.7615

205.3731,
215.9883, 178.4528

20.8558, 21.9237,
12.7602

249.2575,
262.1475, 220.5286

13.1305, 13.8008,
7.1348

298.9863,
314.4550, 268.7473

7.5961, 7.9823,
3.4669

354.9249,

3.8872, 4.0836,

373.2951, 323.5273

1.3377

417.4387,
439.0522, 385.2870

■ 1.6385, 1.7204,
0.0924

■ 0.4173, 0.4368,
0.0000

■ 80.9731, 85.1459,
63.2060

■ 80.9731, 85.1459,
63.2060

■ 76.1163, 79.6290,
48.6496

■ 86.4270, 91.0701,
80.3879

■ 71.8243, 74.4956,
36.5809

■ 92.4966, 97.4024,
100.3132

■ 68.0703, 69.7359,
26.8575

95.0500, 100.0000,
108.9000

■ 64.8230, 65.3351,
19.3201

■ 62.0470, 61.2768,
13.7896

■ 59.7015, 57.5425,
10.0582

■ 57.7369, 54.1100,
7.8721

■ 56.6865, 52.1529,
7.0788

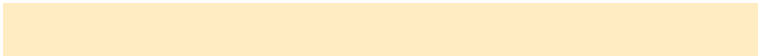
Harmonies

Analogous

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



86.9304, 85.1459, 66.7807



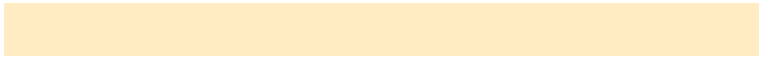
80.9731, 85.1459, 63.2060



75.2830, 85.1459, 66.6784

Triad

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



80.9731, 85.1459, 63.2060



71.2392, 85.1459, 110.2748



91.4108, 85.1459, 110.5227

Complementary

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



80.9731, 85.1459, 63.2060



64.0918, 66.2760, 104.0223

Split Complementary

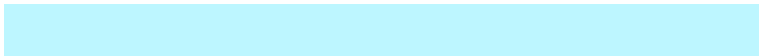
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.8497, 85.1459, 124.7618



80.9731, 85.1459, 63.2060



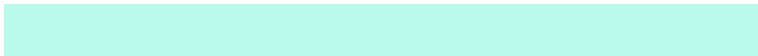
75.2096, 85.1459, 124.6066

Square

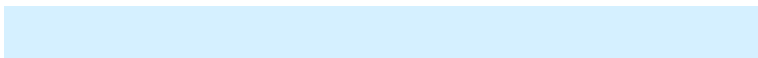
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.9731, 85.1459, 63.2060



69.8364, 85.1459, 92.5821



80.8842, 85.1459, 130.2061



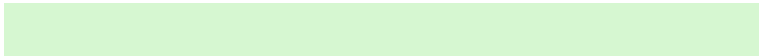
93.1372, 85.1459, 92.8368

Rectangle

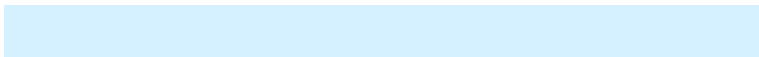
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.9731, 85.1459, 63.2060



72.3608, 85.1459, 72.8045



80.8842, 85.1459, 130.2061



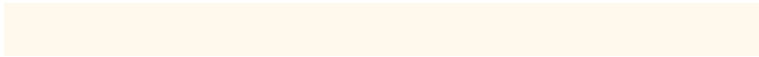
90.1474, 85.1459, 115.9471

Sweetspot

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



80.9751, 85.1496, 63.2078



90.5604, 95.4080, 93.8783



72.5829, 64.6647, 71.8186



19.3039, 20.3386, 19.8306



0.0000, 0.0000, 0.0000



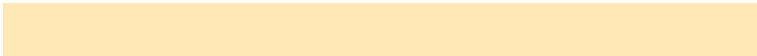
20.3446, 21.4041, 23.3091

Same Dimension

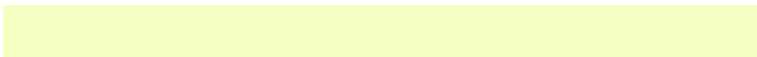
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9751, 85.1496, 63.2078



78.4347, 82.2964, 55.4938



82.7426, 94.6155, 64.9417



19.0561, 20.0803, 19.0159



29.7591, 27.5295, 3.7452



2.9951, 2.8755, 0.3972

Inverse Universe

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



64.0918, 66.2760, 104.0223



58.7289, 60.2721, 103.1461



62.5701, 58.8099, 102.6614



17.4644, 18.3004, 22.8618



11.0240, 6.9576, 50.1965



1.1658, 0.8624, 4.9183

Previews

White Background



This preview shows how the XYZ color 80.9731, 85.1459, 63.2060 looks on a white background.

Color Contrast Check

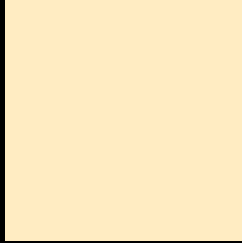
Large Text (above 18pt) WCAG AA × Fail

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 80.9731, 85.1459, 63.2060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

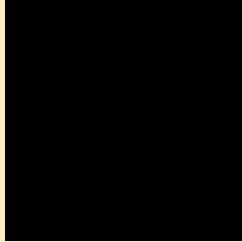
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.9731, 85.1459, 63.2060

Background



This preview shows how black text looks on a background with the XYZ color 80.9731, 85.1459, 63.2060.



This preview shows how white text looks on a background with the XYZ color 80.9731, 85.1459,

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

80.9731, 85.1459, 63.2060

Protanopia

80.2794, 85.2040, 63.8446

Deuteranopia

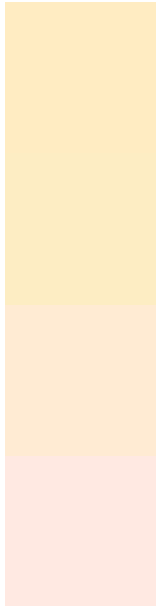
83.5811, 85.2729, 79.7643



Tritanopia

86.1450, 84.9435, 97.4433

Trichromacy



Original Color

80.9731, 85.1459, 63.2060

Protanomaly

80.6425, 85.3912, 63.8616

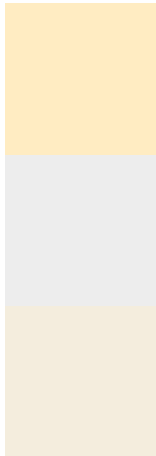
Deuteranomaly

82.7062, 85.3798, 73.7489

Tritanomaly

84.1064, 85.0288, 83.9308

Monochromacy



Original Color

80.9731, 85.1459, 63.2060

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.6436, 85.0219, 80.5671

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9731, 85.1459, 63.2060 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, 194)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 194)  
}
```

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, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 194) }
```

Border

The CSS property to change the border of an element to XYZ 80.9731, 85.1459, 63.2060 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, 194) }
```


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

```
.border{ border-color:rgb(255, 236, 194) }
```

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, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 194);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9731, 85.1459, 63.2060 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, 194) }
```

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

```
.background{ background-color: rgb(255,  
236, 194) }
```

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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