

Converting Colors

XYZ(81.8117, 88.1972, 59.2498)

Have a look what the booklet for
XYZ(81.8117, 88.1972, 59.2498)
contains.

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Color

**XYZ(81.8551, 88.3094,
59.1856)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF2BA
RGB	255, 242, 186
RGB Percent	100%, 95%, 73%
CMY	0.0000, 0.0510, 0.2706
CMYK	0.00, 0.05, 0.27, 0.00
HSL	49°, 100%, 86%
HSV	49°, 27%, 100%
XYZ	81.8551, 88.3094, 59.1856
YIQ	239.5030, 25.7240, -14.6600

Conversions

Conversions Part 2

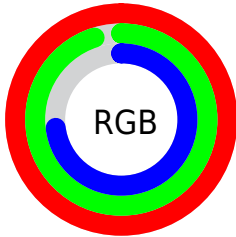
Format	Color
R_{YB}	202, 255, 186
Decimal	16773818
CIE Lab	95.29, -4.00, 28.66
CIE LCh	95, 28.935, 97.939
Yxy	88.3094, 0.3569, 0.3850
Android (android.graphics.Color)	4294963898 (0xFFFFF2BA)
YUV	239.5030, -26.3770, 13.5909
Hunter-Lab	93.9731, -8.9708, 28.4395

Details

The XYZ color **81.8551, 88.3094, 59.1856** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **58.7227, 58.5043, 102.8052**, and the grayscale version is **82.6232, 86.9261, 94.6625**.

A 20% lighter version of the original color is **93.0270, 99.1908, 98.2471**, and **45.0125, 48.7895, 28.8747** is the 20% darker color. If you saturate the color by 10%, you get **77.9725, 84.5023, 45.6895**, and if you desaturate by 10%, it is **86.2632, 92.3928, 75.2457**.

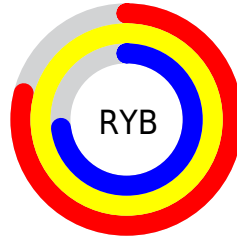
Distribution



Red (100%)

Green (95%)

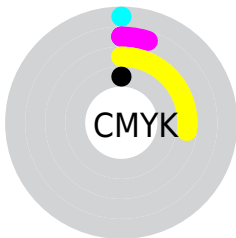
Blue (73%)



Red (79%)

Yellow (100%)

Blue (73%)

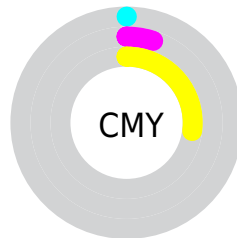


Cyan (0%)

Magenta (5%)

Yellow (27%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.8551, 88.3094, 59.1856 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 81.8551, 88.3094, 59.1856 by changing the saturation by 10% instead.


 81.8551, 88.3094,
59.1856

 81.8551, 88.3094,
59.1856


489.8047,
522.5159, 439.3104

 61.5598, 66.5793,
42.3416


 134.9077,
144.9878, 105.1791

 44.9314, 48.7428,
29.0413


168.3956,
180.7050, 135.1657

 31.6044, 34.4155,
18.8662


207.0119,
221.8533, 170.3702

 21.2136, 23.2130,
11.3978

251.1218,
268.8171, 211.2112

 13.3936, 14.7509,
6.2175

301.0907,
321.9809, 258.1071

 7.7790, 8.6447,
2.9069

357.2839,

 4.0045, 4.5102,

381.7291, 311.4766

1.0473

420.0668,
448.4459, 371.7382

■ 1.7047, 1.9628,
0.0000

■ 0.4592, 0.5858,
0.0000

■ 81.8551, 88.3094,
59.1856

■ 81.8551, 88.3094,
59.1856

■ 77.9725, 84.5023,
45.6895

■ 86.2632, 92.3928,
75.2457

■ 74.5832, 80.9491,
34.6163

■ 91.2146, 96.7511,
93.9898

■ 71.6609, 77.6418,
25.8196

95.0500, 100.0000,
108.9000

■ 69.1740, 74.5674,
19.1351

■ 67.0868, 71.7111,
14.3761

■ 65.3574, 69.0556,
11.3234

■ 63.9325, 66.5792,
9.6969

■ 63.5476, 65.8751,
9.3659

Harmonies

Analogous

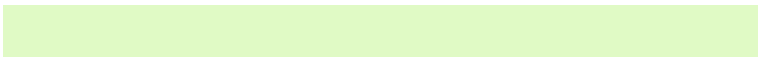
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7705, 88.3094, 61.2112



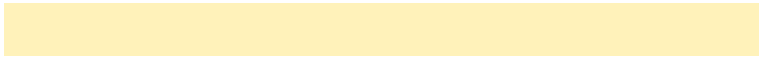
81.8551, 88.3094, 59.1856



74.9392, 88.3094, 65.7657

Triad

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



81.8551, 88.3094, 59.1856



72.5174, 88.3094, 125.4543



98.8137, 88.3094, 113.4351

Complementary

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



81.8551, 88.3094, 59.1856



58.7227, 58.5043, 102.8052

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.



93.6243, 88.3094, 134.7023



81.8551, 88.3094, 59.1856



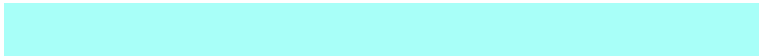
78.3588, 88.3094, 142.3650

Square

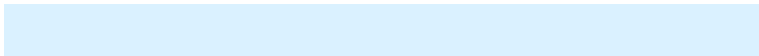
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.8551, 88.3094, 59.1856



69.7731, 88.3094, 102.2878



86.0507, 88.3094, 145.9912



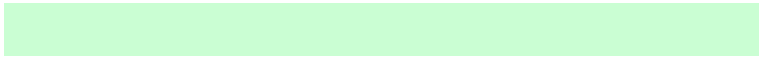
99.8952, 88.3094, 90.2703

Rectangle

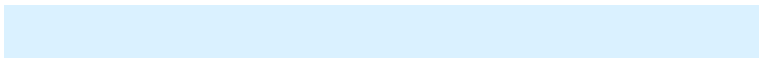
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.8551, 88.3094, 59.1856



71.7101, 88.3094, 74.8623



86.0507, 88.3094, 145.9912



97.4768, 88.3094, 121.1422

Sweetspot

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



81.8572, 88.3133, 59.1874



90.7243, 96.3283, 92.1062



69.2015, 60.5396, 62.5602



19.2533, 20.4749, 19.0816



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

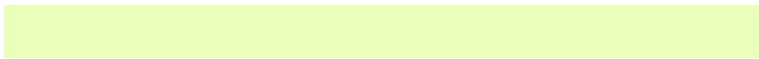
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.8572, 88.3133, 59.1874



79.8738, 86.3970, 52.2049



78.6537, 92.6086, 60.1854



19.2533, 20.4749, 19.0816



33.3091, 34.6294, 4.9286



3.3148, 3.5149, 0.5037

Inverse Universe

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



58.7227, 58.5043, 102.8052



53.5197, 52.4449, 101.9098



61.2582, 55.5612, 102.1035



17.2797, 17.9311, 22.8003



10.0629, 5.0353, 49.8761



1.0499, 0.6304, 4.8796

Previews

White Background



This preview shows how the XYZ color 81.8551, 88.3094, 59.1856 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 81.8551, 88.3094, 59.1856 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 81.8551, 88.3094, 59.1856

Background



This preview shows how black text looks on a background with the XYZ color 81.8551, 88.3094, 59.1856.



This preview shows how white text looks on a background with the XYZ color 81.8551, 88.3094,

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

81.8551, 88.3094, 59.1856

Protanopia

82.7733, 88.2018, 65.4854

Deuteranopia

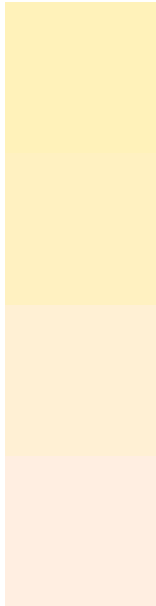
85.9716, 88.5391, 85.2316



Tritanopia

88.1787, 88.0282, 101.1506

Trichromacy



Original Color

81.8551, 88.3094, 59.1856

Protanomaly

82.3209, 88.0208, 63.1030

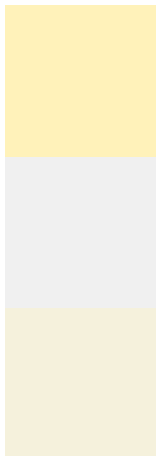
Deuteranomaly

84.2838, 88.3336, 74.8952

Tritanomaly

85.4051, 87.8453, 83.6887

Monochromacy



Original Color

81.8551, 88.3094, 59.1856

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.0298, 87.4904, 80.2740

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.8551, 88.3094, 59.1856 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, 242, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 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, 242, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 186) }
```

Border

The CSS property to change the border of an element to XYZ 81.8551, 88.3094, 59.1856 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, 242, 186) }
```


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

```
.border{ border-color:rgb(255, 242, 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, 242, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 186);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 81.8551, 88.3094, 59.1856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 186) }
```

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

```
.background{ background-color: rgb(255,  
242, 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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