

Converting Colors

XYZ(86.5591, 91.6792, 51.5161)

Have a look what the booklet for
XYZ(86.5591, 91.6792, 51.5161)
contains.

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Color

**XYZ(80.9414, 88.9016,
51.4217)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF4AB
RGB	255, 244, 171
RGB Percent	100%, 96%, 67%
CMY	0.0000, 0.0431, 0.3294
CMYK	0.00, 0.04, 0.33, 0.00
HSL	52°, 100%, 84%
HSV	52°, 33%, 100%
XYZ	80.9414, 88.9016, 51.4217
YIQ	238.9670, 29.9890, -20.3710

Conversions

Conversions Part 2

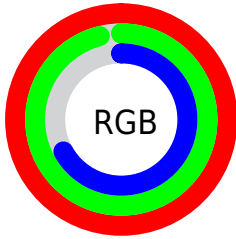
Format	Color
RYB	184, 255, 171
Decimal	16774315
CIELab	95.54, -6.84, 36.56
CIELCh	96, 37.195, 100.601
Yxy	88.9016, 0.3658, 0.4018
Android (android.graphics.Color)	4294964395 (0xFFFFF4AB)
YUV	238.9670, -33.5077, 14.0609
Hunter-Lab	94.2876, -11.7697, 33.6663

Details

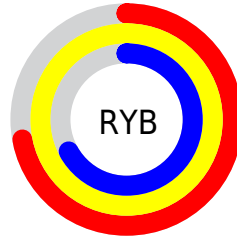
The XYZ color **80.9414, 88.9016, 51.4217** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **51.5722, 49.3324, 101.4117**, and the grayscale version is **82.2565, 86.5402, 94.2423**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **44.2792, 49.1448, 24.2917** is the 20% darker color. If you saturate the color by 10%, you get **77.7471, 86.0346, 39.5002**, and if you desaturate by 10%, it is **84.6271, 92.0005, 65.8224**.

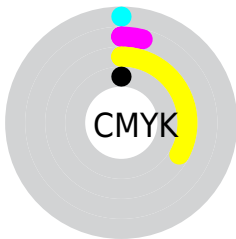
Distribution



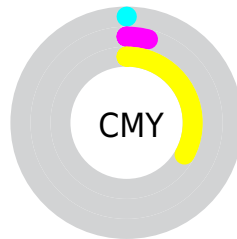
- Red (100%)
- Green (96%)
- Blue (67%)



- Red (72%)
- Yellow (100%)
- Blue (67%)



- Cyan (0%)
- Magenta (4%)
- Yellow (33%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.9414, 88.9016, 51.4217 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 80.9414, 88.9016, 51.4217 by changing the saturation by 10% instead.


 80.9414, 88.9016,
51.4217

 80.9414, 88.9016,
51.4217


486.7881,
524.4513, 409.0932

 60.8045, 67.0700,
36.1653


 133.6321,
145.8117, 93.6957

 44.3193, 49.1415,
24.2712


166.9165,
181.6590, 121.5503

 31.1206, 34.7318,
15.3208


205.3142,
222.9470, 154.4414

 20.8430, 23.4563,
8.8957

249.1904,
270.0601, 192.7876

 13.1211, 14.9308,
4.5774

298.9106,
323.3827, 237.0073

 7.5896, 8.7708,
1.9471

354.8400,

 3.8830, 4.5920,

383.2992, 287.5191

0.5225

417.3441,
450.1939, 344.7416

■ 1.6362, 2.0099,
0.0000

■ 0.4158, 0.6132,
0.0000

■ 80.9414, 88.9016,
51.4217

■ 80.9414, 88.9016,
51.4217

■ 77.7471, 86.0346,
39.5002

■ 84.6271, 92.0005,
65.8224

■ 75.0106, 83.3767,
29.9099

■ 88.8228, 95.3294,
82.8278

■ 72.7041, 80.9195,
22.4953

■ 93.5539, 98.9020,
102.5618

■ 70.7942, 78.6495,
17.0802

95.0500, 100.0000,
108.9000

■ 69.2418, 76.5511,
13.4605

■ 68.0000, 74.6052,
11.3886

■ 67.2620, 73.3039,
10.6040

Harmonies

Analogous

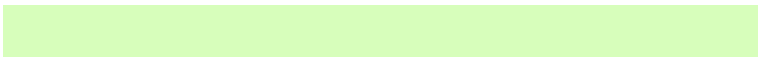
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.1809, 88.9016, 52.8982



80.9414, 88.9016, 51.4217



72.3671, 88.9016, 60.1100

Triad

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



80.9414, 88.9016, 51.4217



70.4656, 88.9016, 138.1451



104.3793, 88.9016, 116.6778

Complementary

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



80.9414, 88.9016, 51.4217



51.5722, 49.3324, 101.4117

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.



97.9147, 88.9016, 146.0121



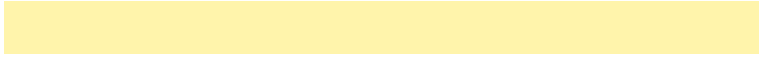
80.9414, 88.9016, 51.4217



78.1505, 88.9016, 160.0289

Square

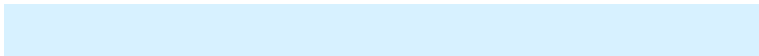
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.9414, 88.9016, 51.4217



66.6502, 88.9016, 107.5038



88.1579, 88.9016, 163.1668



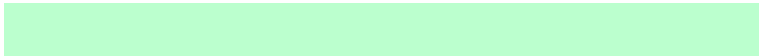
105.2782, 88.9016, 86.8290

Rectangle

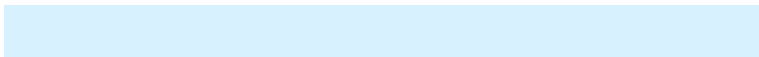
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.9414, 88.9016, 51.4217



68.5380, 88.9016, 71.7625



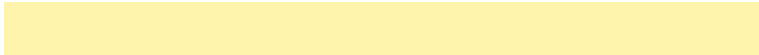
88.1579, 88.9016, 163.1668



102.7619, 88.9016, 127.0703

Sweetspot

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



80.9435, 88.9056, 51.4235



90.1573, 96.3542, 88.3417



64.2677, 53.7725, 51.3573



19.1596, 20.5184, 18.3383



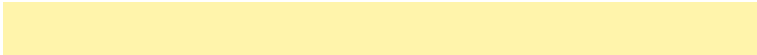
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

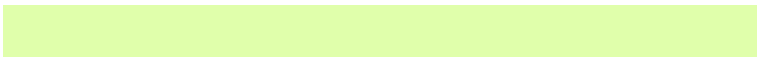
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9435, 88.9056, 51.4235



78.6379, 86.8562, 42.7572



73.9137, 90.3398, 52.0709



19.3465, 20.6612, 19.1127



35.2249, 38.4610, 5.5672



3.4837, 3.8528, 0.5600

Inverse Universe

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



51.5722, 49.3324, 101.4117



44.8868, 41.3921, 100.2314



56.9168, 48.8756, 101.0418



17.1946, 17.7608, 22.7719



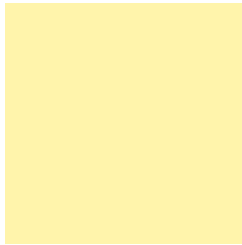
9.7798, 4.4692, 49.7818



1.0089, 0.5485, 4.8660

Previews

White Background



This preview shows how the XYZ color 80.9414, 88.9016, 51.4217 looks on a white background.

Color Contrast Check

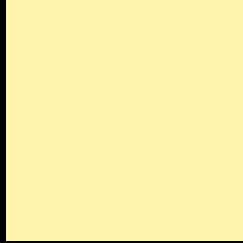
Large Text (above 18pt) WCAG AA × Fail

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 80.9414, 88.9016, 51.4217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

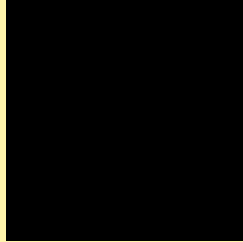
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.9414, 88.9016, 51.4217

Background



This preview shows how black text looks on a background with the XYZ color 80.9414, 88.9016, 51.4217.

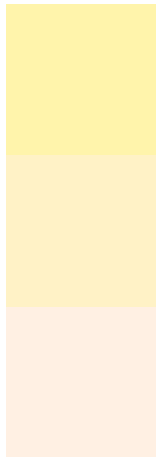


This preview shows how white text looks on a background with the XYZ color 80.9414, 88.9016,

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

80.9414, 88.9016, 51.4217

Protanopia

83.1852, 88.8415, 66.1899

Deuteranopia

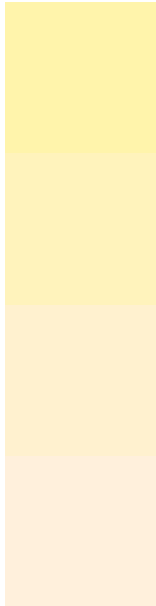
86.2652, 89.1262, 85.3295



Tritanopia

88.4675, 88.6057, 101.2468

Trichromacy



Original Color

80.9414, 88.9016, 51.4217

Protanomaly

82.3677, 88.9920, 60.4129

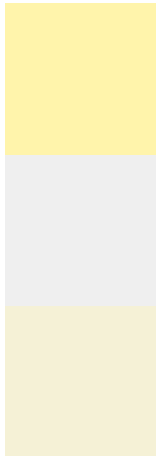
Deuteranomaly

83.9578, 88.6756, 71.7225

Tritanomaly

85.3184, 88.7475, 80.3434

Monochromacy



Original Color

80.9414, 88.9016, 51.4217

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.2491, 87.1781, 76.1631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9414, 88.9016, 51.4217 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, 244, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 171)  
}
```

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, 244, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 171) }
```

Border

The CSS property to change the border of an element to XYZ 80.9414, 88.9016, 51.4217 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, 244, 171) }
```


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

```
.border{ border-color:rgb(255, 244, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 244, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9414, 88.9016, 51.4217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 171) }
```

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

```
.background{ background-color: rgb(255,  
244, 171) }
```

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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