

Converting Colors

XYZ(85.0913, 88.7045, 54.5064)

Have a look what the booklet for
XYZ(85.0913, 88.7045, 54.5064)
contains.

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Color

**XYZ(80.1424, 86.2074,
54.5352)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEFB2
RGB	255, 239, 178
RGB Percent	100%, 94%, 70%
CMY	0.0000, 0.0627, 0.3020
CMYK	0.00, 0.06, 0.30, 0.00
HSL	48°, 100%, 85%
HSV	48°, 30%, 100%
XYZ	80.1424, 86.2074, 54.5352
YIQ	236.8300, 29.1170, -15.5790

Conversions

Conversions Part 2

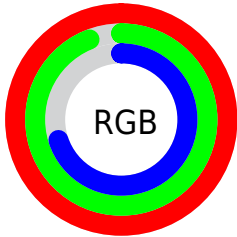
Format	Color
R_{YB}	198, 255, 178
Decimal	16773042
CIE Lab	94.40, -3.50, 31.52
CIE LCh	94, 31.709, 96.339
Yxy	86.2074, 0.3628, 0.3903
Android (android.graphics.Color)	4294963122 (0xFFFFE9B2)
YUV	236.8300, -29.0032, 15.9351
Hunter-Lab	92.8479, -8.4103, 30.1690

Details

The XYZ color **80.1424, 86.2074, 54.5352** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **55.7014, 55.2669, 102.3395**, and the grayscale version is **80.5677, 84.7635, 92.3075**.

A 20% lighter version of the original color is **91.8513, 98.7205, 92.0558**, and **43.6611, 47.2180, 26.2148** is the 20% darker color. If you saturate the color by 10%, you get **76.2890, 82.2241, 41.7718**, and if you desaturate by 10%, it is **84.5215, 90.4798, 69.8238**.

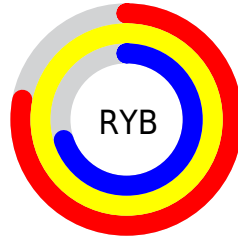
Distribution



Red (100%)

Green (94%)

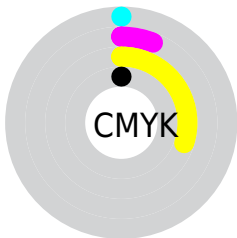
Blue (70%)



Red (78%)

Yellow (100%)

Blue (70%)

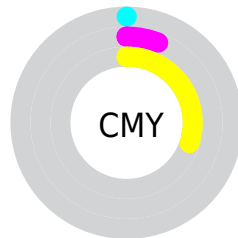


Cyan (0%)

Magenta (6%)

Yellow (30%)

Black (0%)



Cyan (0%)

Magenta (6%)


Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.1424, 86.2074, 54.5352 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 80.1424, 86.2074, 54.5352 by changing the saturation by 10% instead.


 80.1424, 86.2074,
54.5352

 80.1424, 86.2074,
54.5352


484.1418,
515.6148, 421.3798

 60.1444, 64.8395,
38.6336


 132.5154,
142.0589, 98.3239

 43.7849, 47.3309,
26.1692


165.6211,
177.3112, 127.0482

 30.6987, 33.2974,
16.7234

203.8268,
217.9605, 160.8837

 20.5202, 22.3543,
9.8776

247.4977,
264.3911, 200.2491

 12.8842, 14.1175,
5.2133

296.9994,
316.9875, 245.5628

 7.4253, 8.2024,
2.3120

352.6970,

 3.7782, 4.2247,

376.1340, 297.2435

0.7380

414.9561,
442.2149, 355.7097

■ 1.5774, 1.8001,
0.0000

■ 0.3776, 0.4872,
0.0000

■ 80.1424, 86.2074,
54.5352

■ 80.1424, 86.2074,
54.5352

■ 76.2890, 82.2241,
41.7718

■ 84.5215, 90.4798,
69.8238

■ 72.9281, 78.5068,
31.3890

■ 89.4446, 95.0401,
87.7607

■ 70.0325, 75.0471,
23.2357

94.9370, 99.9020,
108.4674

■ 67.5693, 71.8312,
17.1414

95.0500, 100.0000,
108.9000

■ 65.5011, 68.8436,
12.9106

■ 63.7832, 66.0657,
10.3100

■ 62.3683, 63.5166,
8.9728

Harmonies

Analogous

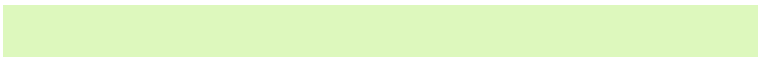
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6885, 86.2074, 57.1211



80.1424, 86.2074, 54.5352



72.6098, 86.2074, 60.9217

Triad

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



80.1424, 86.2074, 54.5352



69.4388, 86.2074, 124.4964



97.8745, 86.2074, 113.9783

Complementary

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



80.1424, 86.2074, 54.5352



55.7014, 55.2669, 102.3395

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.



92.0317, 86.2074, 136.9501



80.1424, 86.2074, 54.5352



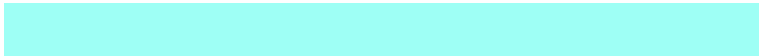
75.5382, 86.2074, 143.7212

Square

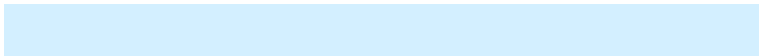
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.1424, 86.2074, 54.5352



66.7124, 86.2074, 99.1402



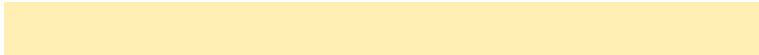
83.7593, 86.2074, 148.6339



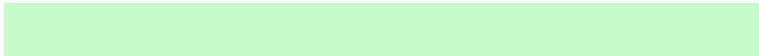
99.3190, 86.2074, 88.7807

Rectangle

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



80.1424, 86.2074, 54.5352



69.0464, 86.2074, 70.1908



83.7593, 86.2074, 148.6339



96.3409, 86.2074, 122.3414

Sweetspot

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



80.1445, 86.2113, 54.5370



90.0706, 95.6051, 90.0876



66.9756, 57.0276, 58.9207



19.1159, 20.3163, 18.6773



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.



80.1445, 86.2113, 54.5370



77.8447, 83.8632, 46.8287



77.4605, 92.0891, 55.8130



19.2220, 20.4123, 19.0712



32.7001, 33.4114, 4.7256



3.2606, 3.4065, 0.4857

Inverse Universe

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



55.7014, 55.2669, 102.3395



49.9781, 48.5935, 101.3531



57.7417, 51.3160, 101.4694



17.3086, 17.9889, 22.8099



10.1811, 5.2717, 49.9155



1.0653, 0.6614, 4.8848

Previews

White Background



This preview shows how the XYZ color 80.1424, 86.2074, 54.5352 looks on a white background.

Color Contrast Check

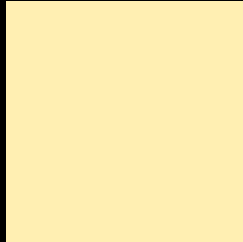
Large Text (above 18pt) WCAG AA × Fail

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 80.1424, 86.2074, 54.5352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

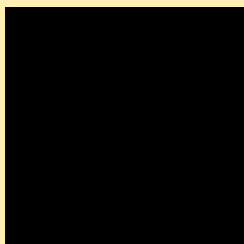
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.1424, 86.2074, 54.5352

Background



This preview shows how black text looks on a background with the XYZ color 80.1424, 86.2074, 54.5352.

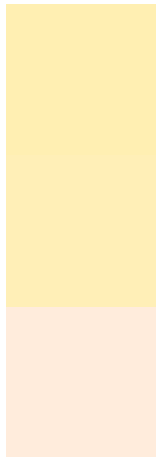


This preview shows how white text looks on a background with the XYZ color 80.1424, 86.2074,

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

80.1424, 86.2074, 54.5352

Protanopia

80.6537, 86.4119, 57.2280

Deuteranopia

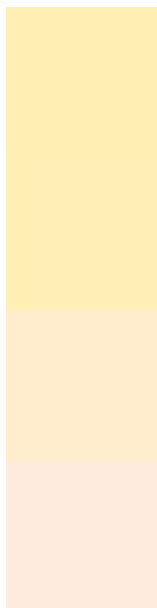
84.1537, 86.4182, 79.9552



Tritanopia

86.8603, 86.1304, 98.4330

Trichromacy



Original Color

80.1424, 86.2074, 54.5352

Protanomaly

80.4470, 86.3292, 56.1393

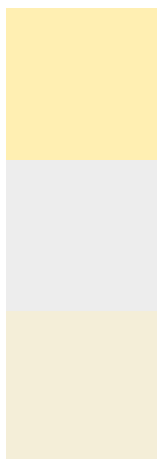
Deuteranomaly

82.5436, 86.2362, 70.0523

Tritanomaly

83.9995, 85.8971, 80.5592

Monochromacy



Original Color

80.1424, 86.2074, 54.5352

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.2774, 85.3400, 77.2069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.1424, 86.2074, 54.5352 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, 239, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 178)  
}
```

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, 239, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 178) }
```

Border

The CSS property to change the border of an element to XYZ 80.1424, 86.2074, 54.5352 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, 239, 178) }
```


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

```
.border{ border-color:rgb(255, 239, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 80.1424, 86.2074, 54.5352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 178) }
```

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

```
.background{ background-color: rgb(255,  
239, 178) }
```

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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