

Converting Colors

XYZ(105.9736, 100.0000,
57.7764)

Have a look what the booklet for
XYZ(105.9736, 100.0000, 57.7764)
contains.

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Color

**XYZ(80.8436, 86.9576,
56.7795)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF0B6
RGB	255, 240, 182
RGB Percent	100%, 94%, 71%
CMY	0.0000, 0.0588, 0.2863
CMYK	0.00, 0.06, 0.29, 0.00
HSL	48°, 100%, 86%
HSV	48°, 29%, 100%
XYZ	80.8436, 86.9576, 56.7795
YIQ	237.8730, 27.5580, -14.8580

Conversions

Conversions Part 2

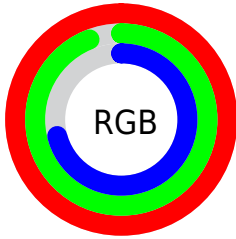
Format	Color
R_{YB}	201, 255, 182
Decimal	16773302
CIE _{Lab}	94.72, -3.50, 29.92
CIE _{LCh}	95, 30.121, 96.680
Yxy	86.9576, 0.3600, 0.3872
Android (android.graphics.Color)	4294963382 (0xFFFFF0B6)
YUV	237.8730, -27.5454, 15.0204
Hunter-Lab	93.2511, -8.4396, 29.1747

Details

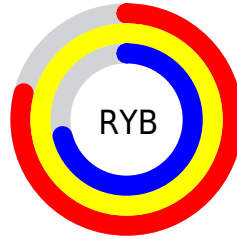
The XYZ color **80.8436, 86.9576, 56.7795** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **57.3071, 57.0958, 102.6079**, and the grayscale version is **81.3631, 85.6003, 93.2187**.

A 20% lighter version of the original color is **92.4326, 98.9530, 95.1170**, and **44.1289, 47.7363, 27.6571** is the 20% darker color. If you saturate the color by 10%, you get **76.9256, 82.9617, 43.6347**, and if you desaturate by 10%, it is **85.2903, 91.2422, 72.4701**.

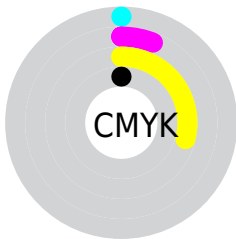
Distribution



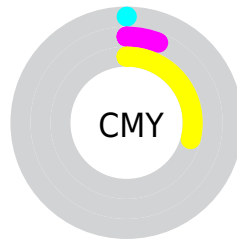
- Red (100%)
- Green (94%)
- Blue (71%)



- Red (79%)
- Yellow (100%)
- Blue (71%)



- Cyan (0%)
- Magenta (6%)
- Yellow (29%)
- Black (0%)





- Cyan (0%)
- Magenta (6%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.8436, 86.9576, 56.7795 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 80.8436, 86.9576, 56.7795 by changing the saturation by 10% instead.


 80.8436, 86.9576,
56.7795

 80.8436, 86.9576,
56.7795


486.4646,
518.0835, 430.0931

 60.7236, 65.4601,
40.4201


 133.4954,
143.1050, 101.6405

 44.2539, 47.8343,
27.5499


166.7581,
178.5238, 130.9792

 31.0689, 33.6957,
17.7506


205.1323,
219.3517, 165.4813

 20.8034, 22.6599,
10.6035

248.9834,
265.9733, 205.5655

 13.0920, 14.3426,
5.6901

298.6769,
318.7729, 251.6502

 7.5694, 8.3593,
2.5918

354.5780,

 3.8701, 4.3257,

378.1348, 304.1540

0.8882

417.0521,
444.4436, 363.4955

■ 1.6289, 1.8574,
0.0000

■ 0.4112, 0.5226,
0.0000

■ 80.8436, 86.9576,
56.7795

■ 80.8436, 86.9576,
56.7795

■ 76.9256, 82.9617,
43.6347

■ 85.2903, 91.2422,
72.4701

■ 73.5034, 79.2318,
32.8927

■ 90.2838, 95.8143,
90.8279

■ 70.5503, 75.7596,
24.4050

95.0500, 100.0000,
108.9000

■ 68.0342, 72.5315,
18.0040

■ 65.9184, 69.5324,
13.4990

■ 64.1595, 66.7442,
10.6639

■ 62.6963, 64.1418,
9.1767

■ 62.5072, 63.7944,
9.0191

Harmonies

Analogous

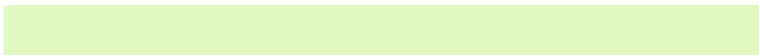
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0017, 86.9576, 59.2005



80.8436, 86.9576, 56.7795



73.6506, 86.9576, 63.0948

Triad

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



80.8436, 86.9576, 56.7795



70.7246, 86.9576, 124.0565



97.8704, 86.9576, 113.5556

Complementary

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



80.8436, 86.9576, 56.7795



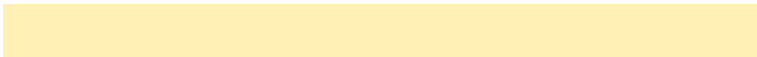
57.3071, 57.0958, 102.6079

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.



92.3554, 86.9576, 135.3660



80.8436, 86.9576, 56.7795



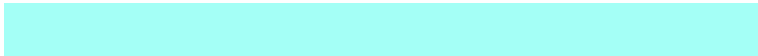
76.6090, 86.9576, 142.0905

Square

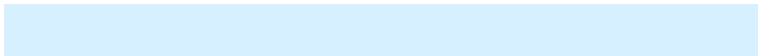
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.8436, 86.9576, 56.7795



68.0615, 86.9576, 99.9916



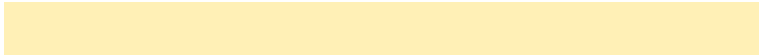
84.4843, 86.9576, 146.5366



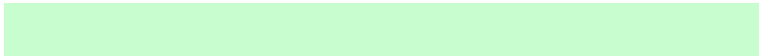
99.1883, 86.9576, 89.5639

Rectangle

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



80.8436, 86.9576, 56.7795



70.2514, 86.9576, 72.1347



84.4843, 86.9576, 146.5366



96.4291, 86.9576, 121.4971

Sweetspot

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



80.8457, 86.9615, 56.7813



90.0872, 95.6382, 90.0931



68.1405, 58.7856, 61.0716



19.1200, 20.3245, 18.6787



0.0000, 0.0000, 0.0000



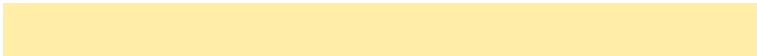
20.3446, 21.4041, 23.3091

Same Dimension

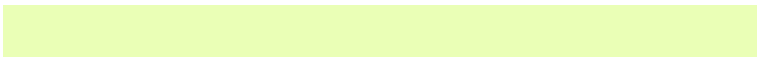
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8457, 86.9615, 56.7813



78.6757, 84.7780, 49.4096



78.2397, 92.4437, 57.9768



19.2258, 20.4197, 19.0724



32.7718, 33.5549, 4.7495



3.2670, 3.4193, 0.4878

Inverse Universe

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



57.3071, 57.0958, 102.6079



51.8440, 50.7411, 101.6693



59.3212, 53.3291, 101.7747



17.3052, 17.9820, 22.8087



10.1663, 5.2422, 49.9106



1.0634, 0.6576, 4.8841

Previews

White Background



This preview shows how the XYZ color 80.8436, 86.9576, 56.7795 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 80.8436, 86.9576, 56.7795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

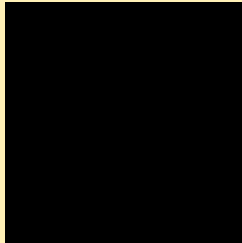
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.8436, 86.9576, 56.7795

Background



This preview shows how black text looks on a background with the XYZ color 80.8436, 86.9576, 56.7795.



This preview shows how white text looks on a background with the XYZ color 80.8436, 86.9576,

56.7795.

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

80.8436, 86.9576, 56.7795

Protanopia

81.4772, 87.2110, 60.1161

Deuteranopia

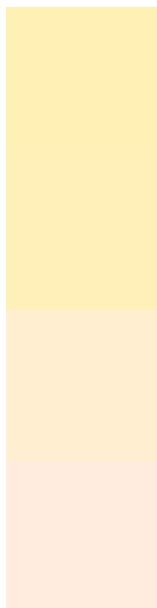
84.8435, 87.1561, 82.1631



Tritanopia

87.2974, 86.7595, 99.3340

Trichromacy



Original Color

80.8436, 86.9576, 56.7795

Protanomaly

81.2630, 87.1253, 58.9882

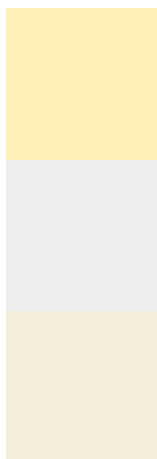
Deuteranomaly

83.1997, 86.9631, 72.0750

Tritanomaly

84.5547, 86.5786, 82.0669

Monochromacy



Original Color

80.8436, 86.9576, 56.7795

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.8296, 86.0281, 78.6746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.8436, 86.9576, 56.7795 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, 240, 182)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 182)  
}
```

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, 240, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 182) }
```

Border

The CSS property to change the border of an element to XYZ 80.8436, 86.9576, 56.7795 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, 240, 182) }
```


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

```
.border{ border-color:rgb(255, 240, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 240, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 182);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 80.8436, 86.9576, 56.7795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 182) }
```

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

```
.background{ background-color: rgb(255,  
240, 182) }
```

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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