

Converting Colors

XYZ(80.6432, 86.9223, 55.5857)

Have a look what the booklet for
XYZ(80.6432, 86.9223, 55.5857)
contains.

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Color

**XYZ(80.6383, 86.8755,
55.6986)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFF0B4 |
| RGB | 255, 240, 180 |
| RGB Percent | 100%, 94%, 71% |
| CMY | 0.0000, 0.0588, 0.2941 |
| CMYK | 0.00, 0.06, 0.29, 0.00 |
| HSL | 48°, 100%, 85% |
| HSV | 48°, 29%, 100% |
| XYZ | 80.6383, 86.8755, 55.6986 |
| YIQ | 237.6450, 28.2000, -15.4800 |

Conversions

Conversions Part 2

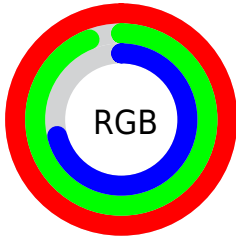
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 199, 255, 180 |
| Decimal | 16773300 |
| CIELab | 94.69, -3.75, 30.88 |
| CIElCh | 95, 31.112, 96.932 |
| Yxy | 86.8755, 0.3613, 0.3892 |
| Android (android.graphics.Color) | 4294963380 (0xFFFFF0B4) |
| YUV | 237.6450, -28.4190, 15.2203 |
| Hunter-Lab | 93.2070, -8.6826, 29.8144 |

Details

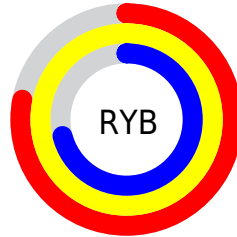
The XYZ color **80.6383, 86.8755, 55.6986** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **56.3871, 55.9519, 102.4356**, and the grayscale version is **81.1929, 85.4212, 93.0237**.

A 20% lighter version of the original color is **92.1403, 98.8361, 93.5778**, and **43.9972, 47.6836, 26.9636** is the 20% darker color. If you saturate the color by 10%, you get **76.7968, 82.9742, 42.7596**, and if you desaturate by 10%, it is **85.0042, 91.0601, 71.1721**.

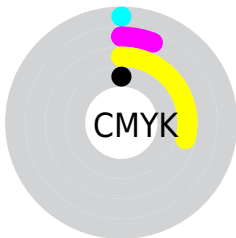
Distribution



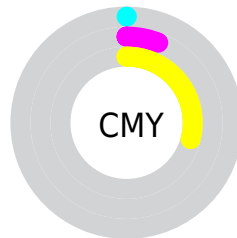
- Red (100%)
- Green (94%)
- Blue (71%)



- Red (78%)
- 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 80.6383, 86.8755, 55.6986 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 80.6383, 86.8755, 55.6986 by changing the saturation by 10% instead.


 80.6383, 86.8755,
55.6986

 80.6383, 86.8755,
55.6986


485.7852,
517.8137, 425.9110

 60.5540, 65.3922,
39.5590

 133.2086,
142.9906, 100.0452

 44.1165, 47.7792,
26.8837


166.4253,
178.3912, 129.0891

 30.9604, 33.6520,
17.2542


204.7502,
219.1996, 163.2716

 20.7204, 22.6264,
10.2520

248.5487,
265.8003, 203.0112

 13.0311, 14.3179,
5.4586

298.1861,
318.5777, 248.7264

 7.5271, 8.3421,
2.4554

354.0277,

 3.8431, 4.3146,

377.9161, 300.8357

0.8164

416.4390,
444.2000, 359.7578

■ 1.6138, 1.8511,
0.0000

■ 0.4014, 0.5187,
0.0000

■ 80.6383, 86.8755,
55.6986

■ 80.6383, 86.8755,
55.6986

■ 76.7968, 82.9742,
42.7596

■ 85.0042, 91.0601,
71.1721

■ 73.4468, 79.3334,
32.2115

■ 89.9127, 95.5267,
89.3026

■ 70.5611, 75.9446,
23.9043

95.0500, 100.0000,
108.9000

■ 68.1075, 72.7945,
17.6693

■ 66.0488, 69.8677,
13.3131

■ 64.3413, 67.1460,
10.6064

■ 62.9175, 64.6018,
9.1964

■ 62.8378, 64.4556,
9.1293

Harmonies

Analogous

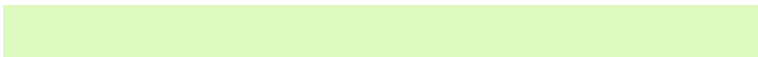
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0652, 86.8755, 58.0934



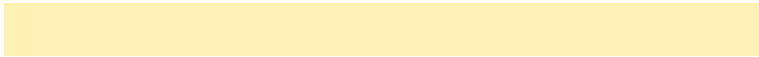
80.6383, 86.8755, 55.6986



73.2416, 86.8755, 62.2216

Triad

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



80.6383, 86.8755, 55.6986



70.3213, 86.8755, 125.2027



98.3443, 86.8755, 113.9027

Complementary

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



80.6383, 86.8755, 55.6986



56.3871, 55.9519, 102.4356

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.



92.6641, 86.8755, 136.6022



80.6383, 86.8755, 55.6986



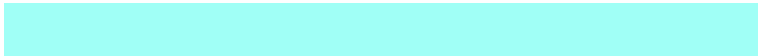
76.4033, 86.8755, 143.8605

Square

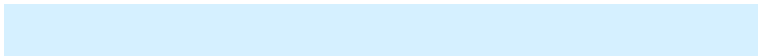
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.6383, 86.8755, 55.6986



67.5524, 86.8755, 100.2866



84.5375, 86.8755, 148.3515



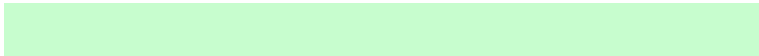
99.6689, 86.8755, 89.1184

Rectangle

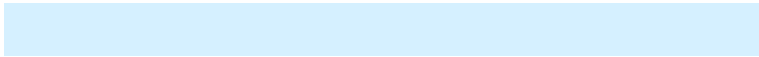
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.6383, 86.8755, 55.6986



69.7615, 86.8755, 71.5283



84.5375, 86.8755, 148.3515



96.8632, 86.8755, 122.1479

Sweetspot

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



80.6405, 86.8794, 55.7004



90.1263, 95.7165, 90.1061



67.4122, 57.8436, 59.2428



19.1297, 20.3439, 18.6819



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

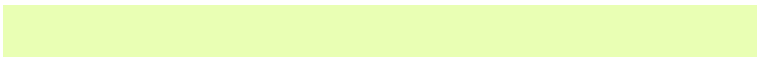
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.6405, 86.8794, 55.7004



78.4298, 84.6635, 48.1643



77.4399, 92.0551, 56.8681



19.2346, 20.4374, 19.0754



32.9426, 33.8964, 4.8064



3.2822, 3.4497, 0.4929

Inverse Universe

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



56.3871, 55.9519, 102.4356



50.7795, 49.4120, 101.4688



58.8648, 52.4901, 101.6368



17.2970, 17.9656, 22.8060



10.1321, 5.1739, 49.8992



1.0590, 0.6487, 4.8827

Previews

White Background



This preview shows how the XYZ color 80.6383, 86.8755, 55.6986 looks on a white background.

Color Contrast Check

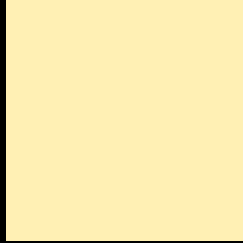
Large Text (above 18pt) WCAG AA × Fail

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 80.6383, 86.8755, 55.6986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

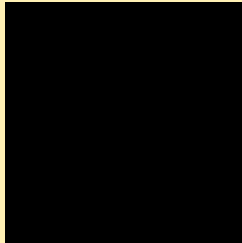
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.6383, 86.8755, 55.6986

Background



This preview shows how black text looks on a background with the XYZ color 80.6383, 86.8755, 55.6986.



This preview shows how white text looks on a background with the XYZ color 80.6383, 86.8755,

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

80.6383, 86.8755, 55.6986

Protanopia

81.0761, 86.5809, 59.4523

Deuteranopia

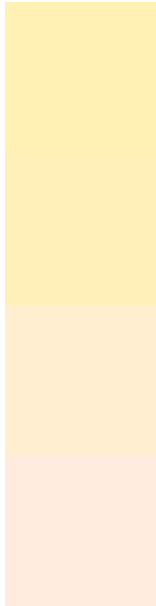
84.7090, 87.1023, 81.4550



Tritanopia

87.2974, 86.7595, 99.3340

Trichromacy



Original Color

80.6383, 86.8755, 55.6986

Protanomaly

80.7582, 86.4537, 57.7782

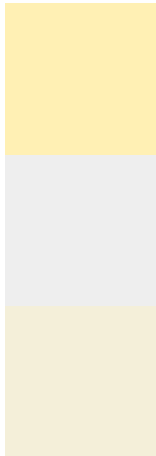
Deuteranomaly

83.0770, 86.9141, 71.4289

Tritanomaly

84.4203, 86.5248, 81.3588

Monochromacy



Original Color

80.6383, 86.8755, 55.6986

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.6991, 85.9759, 77.9873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.6383, 86.8755, 55.6986 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 180)  
}
```

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, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 180) }
```

Border

The CSS property to change the border of an element to XYZ 80.6383, 86.8755, 55.6986 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, 180) }
```


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

```
.border{ border-color:rgb(255, 240, 180) }
```

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, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 240, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 240, 180); box-shadow:4px 4px 4px 4px rgb(255, 240, 180) }
```

Background

The CSS property to change the background color of an element to XYZ 80.6383, 86.8755, 55.6986 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, 180) }
```

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

```
.background{ background-color: rgb(255,  
240, 180) }
```

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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