

Converting Colors

XYZ(80.3036, 86.8568, 53.5810)

Have a look what the booklet for
XYZ(80.3036, 86.8568, 53.5810)
contains.

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Color

**XYZ(80.2366, 86.7148,
53.5830)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF0B0
RGB	255, 240, 176
RGB Percent	100%, 94%, 69%
CMY	0.0000, 0.0588, 0.3098
CMYK	0.00, 0.06, 0.31, 0.00
HSL	49°, 100%, 85%
HSV	49°, 31%, 100%
XYZ	80.2366, 86.7148, 53.5830
YIQ	237.1890, 29.4840, -16.7240

Conversions

Conversions Part 2

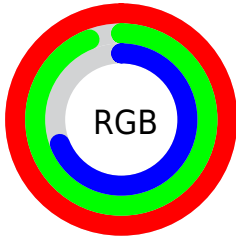
Format	Color
RYB	195, 255, 176
Decimal	16773296
CIELab	94.62, -4.25, 32.82
CIELCh	95, 33.092, 97.375
Yxy	86.7148, 0.3638, 0.3932
Android (android.graphics.Color)	4294963376 (0xFFFFF0B0)
YUV	237.1890, -30.1662, 15.6202
Hunter-Lab	93.1208, -9.1586, 31.0683

Details

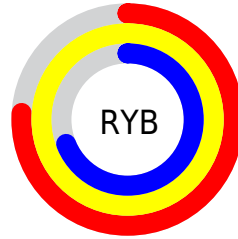
The XYZ color **80.2366, 86.7148, 53.5830** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **54.5849, 53.7101, 102.0979**, and the grayscale version is **80.8529, 85.0636, 92.6342**.

A 20% lighter version of the original color is **91.5655, 98.6062, 90.5508**, and **43.7416, 47.5814, 25.6176** is the 20% darker color. If you saturate the color by 10%, you get **76.5416, 82.9904, 41.0512**, and if you desaturate by 10%, it is **84.4477, 90.7126, 68.6270**.

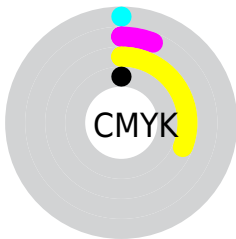
Distribution



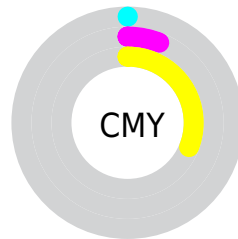
- Red (100%)
- Green (94%)
- Blue (69%)



- Red (76%)
- Yellow (100%)
- Blue (69%)



- Cyan (0%)
- Magenta (6%)
- Yellow (31%)
- Black (0%)




- Cyan (0%)
- Magenta (6%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.2366, 86.7148, 53.5830 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 80.2366, 86.7148, 53.5830 by changing the saturation by 10% instead.


 80.2366, 86.7148,
53.5830

 80.2366, 86.7148,
53.5830


484.4542,
517.2852, 417.6474

 60.2222, 65.2592,
37.8775


 132.6471,
142.7666, 96.9119

 43.8479, 47.6713,
25.5865


165.7739,
178.1315, 125.3724

 30.7484, 33.5667,
16.2916


204.0023,
218.9017, 158.9216

 20.5582, 22.5609,
9.5741

247.6975,
265.4616, 197.9781

 12.9121, 14.2696,
5.0156

297.2249,
318.1954, 242.9603

 7.4446, 8.3084,
2.1975

352.9500,

 3.7905, 4.2929,

377.4878, 294.2870

0.6729

415.2380,
443.7229, 352.3765

■ 1.5843, 1.8387,
0.0000

■ 0.3821, 0.5111,
0.0000

■ 80.2366, 86.7148,
53.5830

■ 80.2366, 86.7148,
53.5830

■ 76.5416, 82.9904,
41.0512

■ 84.4477, 90.7126,
68.6270

■ 73.3297, 79.5165,
30.8861

■ 89.1936, 94.9825,
86.3071

■ 70.5733, 76.2847,
22.9355

■ 94.4994, 99.5381,
106.7454

■ 68.2395, 73.2813,
17.0271

■ 95.0500, 100.0000,
108.9000

■ 66.2905, 70.4907,
12.9631

■ 64.6809, 67.8943,
10.5066

■ 63.4565, 65.6930,
9.3355

Harmonies

Analogous

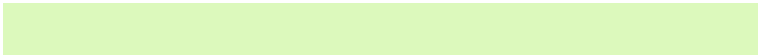
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.1994, 86.7148, 55.9304



80.2366, 86.7148, 53.5830



72.4354, 86.7148, 60.4991

Triad

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



80.2366, 86.7148, 53.5830



69.5208, 86.7148, 127.5040



99.2964, 86.7148, 114.6147

Complementary

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



80.2366, 86.7148, 53.5830



54.5849, 53.7101, 102.0979

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.



93.2819, 86.7148, 139.1068



80.2366, 86.7148, 53.5830



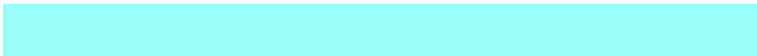
75.9928, 86.7148, 147.4360

Square

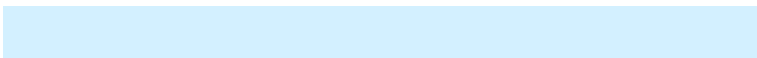
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.2366, 86.7148, 53.5830



66.5455, 86.7148, 100.8678



84.6423, 86.7148, 152.0264



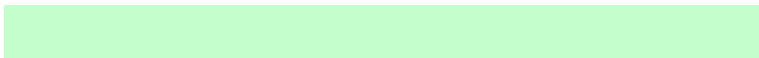
100.6369, 86.7148, 88.2485

Rectangle

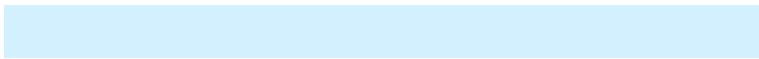
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.2366, 86.7148, 53.5830



68.7951, 86.7148, 70.3219



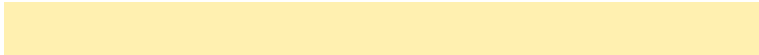
84.6423, 86.7148, 152.0264



97.7342, 86.7148, 123.4709

Sweetspot

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



80.2387, 86.7187, 53.5848



90.1987, 95.8613, 90.1303



66.2582, 56.1085, 57.0919



19.1476, 20.3798, 18.6879



0.0000, 0.0000, 0.0000



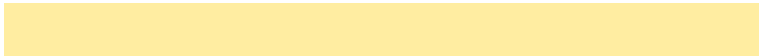
20.3446, 21.4041, 23.3091

Same Dimension

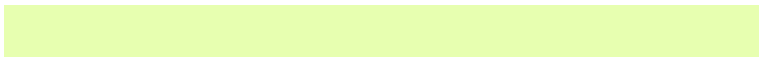
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.2387, 86.7187, 53.5848



77.9532, 84.4430, 45.7472



76.6488, 91.6937, 54.7343



19.2510, 20.4701, 19.0808



33.2621, 34.5353, 4.9129



3.3106, 3.5065, 0.5023

Inverse Universe

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



54.5849, 53.7101, 102.0979



48.7090, 46.8238, 101.0784



57.3156, 50.5099, 101.3363



17.2819, 17.9355, 22.8010



10.0715, 5.0525, 49.8790



1.0510, 0.6327, 4.8800

Previews

White Background



This preview shows how the XYZ color 80.2366, 86.7148, 53.5830 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 80.2366, 86.7148, 53.5830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

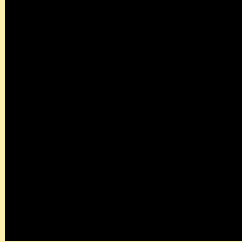
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.2366, 86.7148, 53.5830

Background



This preview shows how black text looks on a background with the XYZ color 80.2366, 86.7148, 53.5830.



This preview shows how white text looks on a background with the XYZ color 80.2366, 86.7148,

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

80.2366, 86.7148, 53.5830

Protanopia

80.9694, 86.5382, 58.8904

Deuteranopia

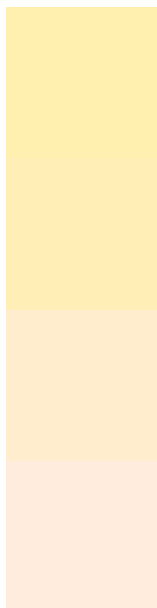
84.2866, 86.4714, 80.6549



Tritanopia

87.1442, 86.6982, 98.5276

Trichromacy



Original Color

80.2366, 86.7148, 53.5830

Protanomaly

80.5500, 86.3704, 56.6817

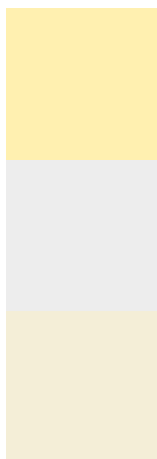
Deuteranomaly

82.5436, 86.2362, 70.0523

Tritanomaly

84.1537, 86.4182, 79.9552

Monochromacy



Original Color

80.2366, 86.7148, 53.5830

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.1485, 85.2885, 76.5280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.2366, 86.7148, 53.5830 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 176) }
```

Border

The CSS property to change the border of an element to XYZ 80.2366, 86.7148, 53.5830 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, 176) }
```


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

```
.border{ border-color:rgb(255, 240, 176) }
```

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, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2366, 86.7148, 53.5830 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, 176) }
```

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

```
.background{ background-color: rgb(255,  
240, 176) }
```

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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