

Converting Colors

XYZ(81.1636, 87.8583, 56.0823)

Have a look what the booklet for
XYZ(81.1636, 87.8583, 56.0823)
contains.

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Color

**XYZ(81.2303, 88.0595,
55.8959)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF2B4
RGB	255, 242, 180
RGB Percent	100%, 95%, 71%
CMY	0.0000, 0.0510, 0.2941
CMYK	0.00, 0.05, 0.29, 0.00
HSL	50°, 100%, 85%
HSV	50°, 29%, 100%
XYZ	81.2303, 88.0595, 55.8959
YIQ	238.8190, 27.6500, -16.5260

Conversions

Conversions Part 2

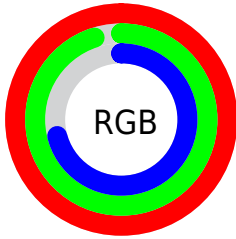
Format	Color
RYP	196, 255, 180
Decimal	16773812
CIELab	95.19, -4.76, 31.56
CIElCh	95, 31.915, 98.572
Yxy	88.0595, 0.3607, 0.3911
Android (android.graphics.Color)	4294963892 (0xFFFFF2B4)
YUV	238.8190, -28.9978, 14.1907
Hunter-Lab	93.8400, -9.7059, 30.3719

Details

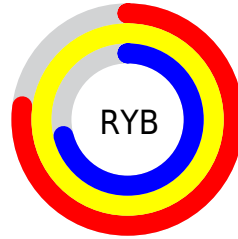
The XYZ color **81.2303, 88.0595, 55.8959** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **55.9419, 55.0616, 102.2872**, and the grayscale version is **82.1085, 86.3845, 94.0728**.

A 20% lighter version of the original color is **92.1403, 98.8361, 93.5778**, and **44.4156, 48.5204, 27.1031** is the 20% darker color. If you saturate the color by 10%, you get **77.5695, 84.5196, 43.0172**, and if you desaturate by 10%, it is **85.4052, 91.8621, 71.3058**.

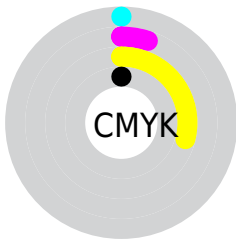
Distribution



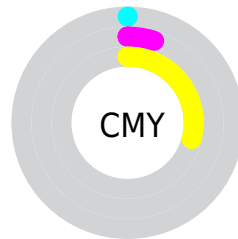
- Red (100%)
- Green (95%)
- Blue (71%)



- Red (77%)
- Yellow (100%)
- Blue (71%)



- Cyan (0%)
- Magenta (5%)
- Yellow (29%)
- Black (0%)




- Cyan (0%)
- Magenta (5%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.2303, 88.0595, 55.8959 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 81.2303, 88.0595, 55.8959 by changing the saturation by 10% instead.


 81.2303, 88.0595,
55.8959

 81.2303, 88.0595,
55.8959

487.7430,
521.6981, 426.6764

 61.0432, 66.3723,
39.7160

 134.0356,
144.6400, 100.3366

 44.5127, 48.5747,
27.0051


167.3845,
180.3021, 129.4346

 31.2734, 34.2822,
17.3446


205.8513,
221.3914, 163.6756

 20.9600, 23.1105,
10.3159

249.8016,
268.2921, 203.4783

 13.2071, 14.6751,
5.5006

299.6005,
321.3888, 249.2612

 7.6493, 8.5917,
2.4800

355.6135,

 3.9213, 4.4758,

381.0657, 301.4428

0.8296

418.2059,
447.7073, 360.4417

■ 1.6577, 1.9431,
0.0000

■ 0.4296, 0.5741,
0.0000

■ 81.2303, 88.0595,
55.8959

■ 81.2303, 88.0595,
55.8959

■ 77.5695, 84.5196,
43.0172

■ 85.4052, 91.8621,
71.3058

■ 74.3898, 81.2195,
32.5258

■ 90.1121, 95.9255,
89.3690

■ 71.6644, 78.1512,
24.2721

95.0500, 100.0000,
108.9000

■ 69.3609, 75.3014,
18.0871

■ 67.4425, 72.6552,
13.7777

■ 65.8655, 70.1944,
11.1144

■ 64.5626, 67.8920,
9.7448

■ 64.4897, 67.7594,
9.6799

Harmonies

Analogous

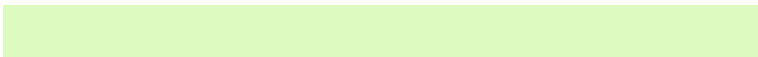
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9567, 88.0595, 57.8551



81.2303, 88.0595, 55.8959



73.6992, 88.0595, 63.1030

Triad

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



81.2303, 88.0595, 55.8959



71.2935, 88.0595, 128.9467



100.2483, 88.0595, 114.4630

Complementary

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



81.2303, 88.0595, 55.8959



55.9419, 55.0616, 102.2872

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.



94.5624, 88.0595, 138.4074



81.2303, 88.0595, 55.8959



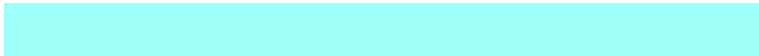
77.7364, 88.0595, 147.7258

Square

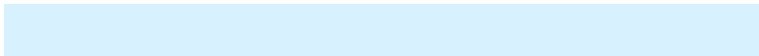
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.2303, 88.0595, 55.8959



68.2282, 88.0595, 103.1981



86.2150, 88.0595, 151.4590



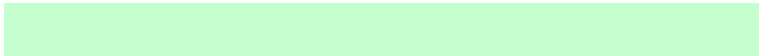
101.3452, 88.0595, 88.9198

Rectangle

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



81.2303, 88.0595, 55.8959



70.2251, 88.0595, 73.0162



86.2150, 88.0595, 151.4590



98.7923, 88.0595, 123.0829

Sweetspot

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



81.2325, 88.0635, 55.8977



90.3172, 96.0983, 90.1698



67.2715, 57.7873, 58.5014



19.1770, 20.4385, 18.6976



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

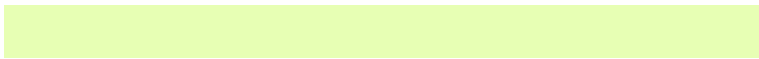
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.2325, 88.0635, 55.8977



79.1240, 86.0520, 48.3957



77.0344, 91.8461, 56.8491



19.2777, 20.5236, 19.0897



33.7953, 35.6019, 5.0907



3.3578, 3.6010, 0.5181

Inverse Universe

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



55.9419, 55.0616, 102.2872



50.2907, 48.4344, 101.3059



59.2055, 52.6657, 101.6528



17.2574, 17.8863, 22.7928



9.9791, 4.8678, 49.8482



1.0385, 0.6077, 4.8758

Previews

White Background



This preview shows how the XYZ color 81.2303, 88.0595, 55.8959 looks on a white background.

Color Contrast Check

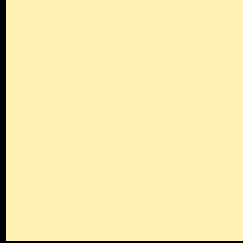
Large Text (above 18pt) WCAG AA × Fail

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 81.2303, 88.0595, 55.8959 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 81.2303, 88.0595, 55.8959

Background



This preview shows how black text looks on a background with the XYZ color 81.2303, 88.0595, 55.8959.



This preview shows how white text looks on a background with the XYZ color 81.2303, 88.0595,

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

81.2303, 88.0595, 55.8959

Protanopia

82.4329, 88.0656, 63.6926

Deuteranopia

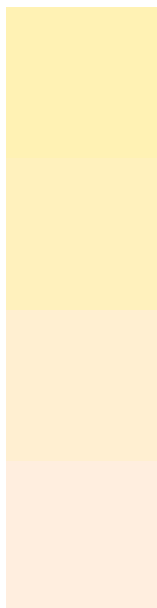
85.4051, 87.8453, 83.6887



Tritanopia

88.0240, 87.9663, 100.3355

Trichromacy



Original Color

81.2303, 88.0595, 55.8959

Protanomaly

81.8806, 87.8447, 60.7843

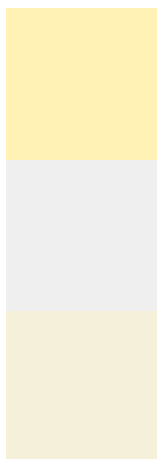
Deuteranomaly

83.6151, 87.5965, 72.8224

Tritanomaly

85.1338, 87.7368, 82.2599

Monochromacy



Original Color

81.2303, 88.0595, 55.8959

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.4712, 86.7946, 78.7887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.2303, 88.0595, 55.8959 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, 242, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 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, 242, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 180) }
```

Border

The CSS property to change the border of an element to XYZ 81.2303, 88.0595, 55.8959 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, 242, 180) }
```


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

```
.border{ border-color:rgb(255, 242, 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, 242, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 81.2303, 88.0595, 55.8959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 180) }
```

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

```
.background{ background-color: rgb(255,  
242, 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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