

Converting Colors

XYZ(79.8621, 86.3663, 55.2352)

Have a look what the booklet for
XYZ(79.8621, 86.3663, 55.2352)
contains.

XYZ(79.8048, 86.4575, 55.1296)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(79.8048, 86.4575,
55.1296)**

Conversions

Conversions Part 1

Format	Color
Hex	FDF0B3
RGB	253, 240, 179
RGB Percent	99%, 94%, 70%
CMY	0.0078, 0.0588, 0.2980
CMYK	0.00, 0.05, 0.29, 0.01
HSL	49°, 95%, 85%
HSV	49°, 29%, 99%
XYZ	79.8048, 86.4575, 55.1296
YIQ	236.9330, 27.3290, -16.2150

Conversions

Conversions Part 2

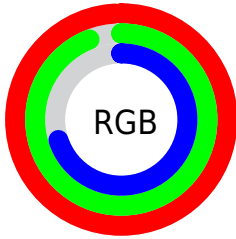
Format	Color
R _Y B	195, 253, 179
Decimal	16642227
CIE Lab	94.51, -4.62, 31.12
CIE LCh	95, 31.466, 98.452
Yxy	86.4575, 0.3605, 0.3905
Android (android.graphics.Color)	4294832307 (0xFFFD0B3)
YUV	236.9330, -28.5610, 14.0908
Hunter-Lab	92.9825, -9.5169, 29.9346

Details

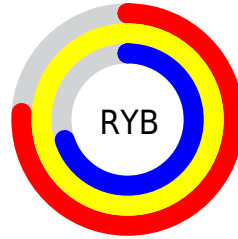
The XYZ color **79.8048, 86.4575, 55.1296** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **55.1694, 54.3734, 100.5162**, and the grayscale version is **80.6448, 84.8446, 92.3957**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **43.6713, 47.5231, 26.6098** is the 20% darker color. If you saturate the color by 10%, you get **76.1861, 82.9459, 42.4367**, and if you desaturate by 10%, it is **83.9295, 90.2288, 70.3093**.

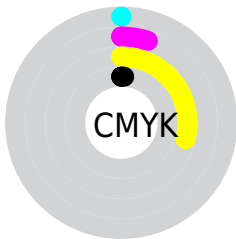
Distribution



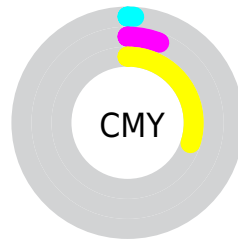
- Red (99%)
- Green (94%)
- Blue (70%)



- Red (76%)
- Yellow (99%)
- Blue (70%)



- Cyan (0%)
- Magenta (5%)
- Yellow (29%)
- Black (1%)





- Cyan (1%)
- Magenta (6%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 79.8048, 86.4575, 55.1296 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 79.8048, 86.4575, 55.1296 by changing the saturation by 10% instead.


 79.8048, 86.4575,
55.1296

 79.8048, 86.4575,
55.1296


483.0213,
516.4386, 423.6988

 59.8657, 65.0464,
39.1062


 132.0432,
142.4077, 99.2039

 43.5594, 47.4987,
26.5339


165.0732,
177.7156, 128.0918

 30.5207, 33.4300,
16.9941

203.1975,
218.4246, 162.1050

 20.3842, 22.4561,
10.0684

246.7815,
264.9189, 201.6620

 12.7845, 14.1924,
5.3381

296.1905,
317.5831, 247.1813

 7.3563, 8.2546,
2.3848

351.7899,

 3.7342, 4.2583,

376.8015, 299.0816

0.7782

413.9451,
442.9585, 357.7812

■ 1.5529, 1.8191,
0.0000

■ 0.3614, 0.4990,
0.0000

■ 79.8048, 86.4575,
55.1296

■ 79.8048, 86.4575,
55.1296

■ 76.1861, 82.9459,
42.4367

■ 83.9295, 90.2288,
70.3093

■ 73.0408, 79.6715,
32.0896

■ 88.5775, 94.2580,
88.0954

■ 70.3427, 76.6265,
23.9418

■ 93.7733, 98.5582,
108.6065

■ 68.0602, 73.7979,
17.8278

■ 94.3181, 99.6227,
108.8657

■ 66.1572, 71.1708,
13.5589

■ 64.5908, 68.7279,
10.9107

■ 63.2964, 66.4427,
9.5433

■ 63.2042, 66.2749,
9.4611

Harmonies

Analogous

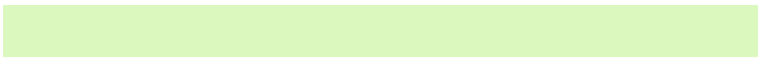
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.3029, 86.4575, 57.0793



79.8048, 86.4575, 55.1296



72.4584, 86.4575, 62.1324

Triad

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



79.8048, 86.4575, 55.1296



70.0700, 86.4575, 126.2218



98.2723, 86.4575, 112.3277

Complementary

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



79.8048, 86.4575, 55.1296



55.1694, 54.3734, 100.5162

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.



92.7242, 86.4575, 135.5906



79.8048, 86.4575, 55.1296



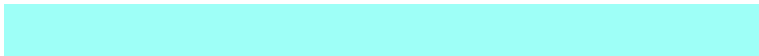
76.3379, 86.4575, 144.5229

Square

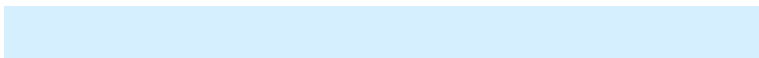
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.8048, 86.4575, 55.1296



67.0963, 86.4575, 101.1604



84.5922, 86.4575, 148.2179



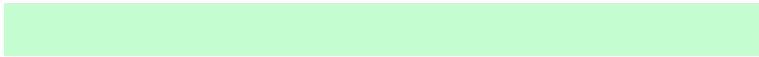
99.3593, 86.4575, 87.4474

Rectangle

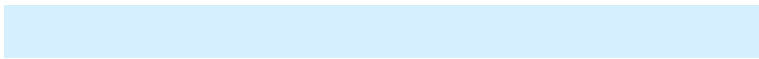
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.8048, 86.4575, 55.1296



69.0634, 86.4575, 71.7825



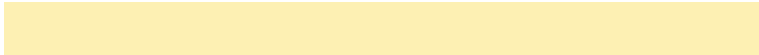
84.5922, 86.4575, 148.2179



96.8497, 86.4575, 120.7097

Sweetspot

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



79.8070, 86.4614, 55.1314



90.3004, 96.0647, 90.1642



66.2062, 56.9548, 57.7040



19.1728, 20.4302, 18.6963



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.



79.8070, 86.4614, 55.1314



79.0626, 85.9292, 48.3752



75.7568, 90.2571, 56.0775



19.2739, 20.5160, 19.0885



33.7189, 35.4490, 5.0652



3.3511, 3.5875, 0.5158

Inverse Universe

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



55.1694, 54.3734, 100.5162



50.3334, 48.5197, 101.3201



58.3252, 51.9502, 99.8821



17.2608, 17.8933, 22.7940



9.9917, 4.8930, 49.8524



1.0402, 0.6112, 4.8764

Previews

White Background



This preview shows how the XYZ color 79.8048, 86.4575, 55.1296 looks on a white background.

Color Contrast Check

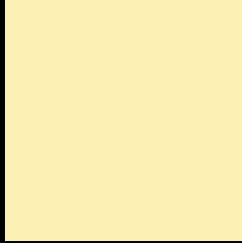
Large Text (above 18pt) WCAG AA × Fail

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 79.8048, 86.4575, 55.1296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

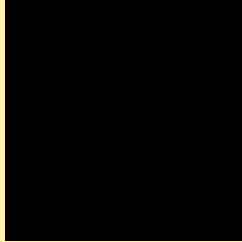
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 79.8048, 86.4575, 55.1296

Background



This preview shows how black text looks on a background with the XYZ color 79.8048, 86.4575, 55.1296.



This preview shows how white text looks on a background with the XYZ color 79.8048, 86.4575,

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

79.8048, 86.4575, 55.1296

Protanopia

80.7582, 86.4537, 57.7782

Deuteranopia

84.2866, 86.4714, 80.6549



Tritanopia

87.0135, 86.1916, 99.2393

Trichromacy

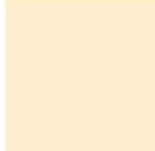


Original Color

79.8048, 86.4575, 55.1296

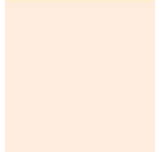
Protanomaly

80.1830, 86.1812, 56.6645



Deuteranomaly

82.2978, 86.0954, 70.6730



Tritanomaly

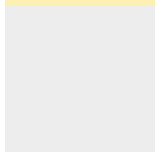
84.0533, 86.3357, 81.3416

Monochromacy



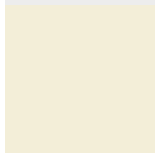
Original Color

79.8048, 86.4575, 55.1296



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

79.9314, 85.1616, 77.1908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.8048, 86.4575, 55.1296 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(253, 240, 179)` looks like.

```
.text, #text, p{  
    color:rgb(253, 240, 179)  
}
```

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(253, 240, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 240, 179) }
```

Border

The CSS property to change the border of an element to XYZ 79.8048, 86.4575, 55.1296 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(253, 240, 179) }
```


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

```
.border{ border-color:rgb(253, 240, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 240, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(253, 240, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(253, 240, 179); box-shadow:4px 4px 4px 4px rgb(253, 240, 179) }
```

Background

The CSS property to change the background color of an element to XYZ 79.8048, 86.4575, 55.1296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 240, 179) }
```

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

```
.background{ background-color: rgb(253,  
240, 179) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor