

Converting Colors

XYZ(79.7584, 86.8382, 50.0947)

Have a look what the booklet for
XYZ(79.7584, 86.8382, 50.0947)
contains.

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Color

**XYZ(79.8567, 87.0352,
50.1267)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF1A9
RGB	255, 241, 169
RGB Percent	100%, 95%, 66%
CMY	0.0000, 0.0549, 0.3372
CMYK	0.00, 0.05, 0.34, 0.00
HSL	50°, 100%, 83%
HSV	50°, 34%, 100%
XYZ	79.8567, 87.0352, 50.1267
YIQ	236.9780, 31.4560, -19.4240

Conversions

Conversions Part 2

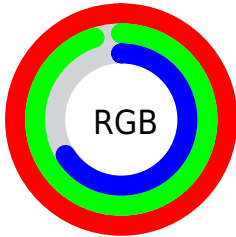
Format	Color
RYB	186, 255, 169
Decimal	16773545
CIELab	94.75, -5.58, 36.52
CIELCh	95, 36.947, 98.688
Yxy	87.0352, 0.3680, 0.4010
Android (android.graphics.Color)	4294963625 (0xFFFFF1A9)
YUV	236.9780, -33.5132, 15.8053
Hunter-Lab	93.2927, -10.4696, 33.4480

Details

The XYZ color **79.8567, 87.0352, 50.1267** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **51.3453, 49.5205, 101.4599**, and the grayscale version is **80.7142, 84.9176, 92.4752**.

A 20% lighter version of the original color is **90.5906, 98.2162, 85.4172**, and **43.5273, 47.8292, 23.4608** is the 20% darker color. If you saturate the color by 10%, you get **76.4790, 83.7442, 38.3200**, and if you desaturate by 10%, it is **83.7337, 90.5768, 64.4051**.

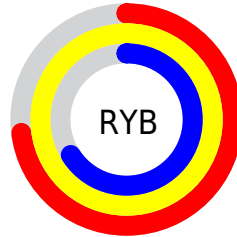
Distribution



Red (100%)

Green (95%)

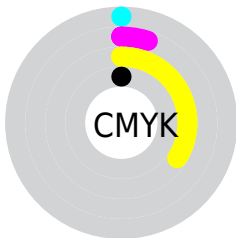
Blue (66%)



Red (73%)

Yellow (100%)

Blue (66%)

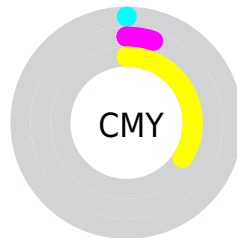


Cyan (0%)

Magenta (5%)

Yellow (34%)

Black (0%)



Cyan (0%)

Magenta (5%)


Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.8567, 87.0352, 50.1267 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 79.8567, 87.0352, 50.1267 by changing the saturation by 10% instead.

 79.8567, 87.0352,
50.1267

 79.8567, 87.0352,
50.1267


483.1937,
518.3385, 403.9105

 59.9085, 65.5243,
35.1422


 132.1158,
143.2132, 91.7608

 43.5941, 47.8864,
23.4880


165.1575,
178.6491, 119.2475

 30.5480, 33.7369,
14.7456

203.2943,
219.4955, 151.7387

 20.4051, 22.6916,
8.4964

246.8916,
266.1368, 189.6528

 12.7998, 14.3659,
4.3219

296.3149,
318.9574, 233.4086

 7.3669, 8.3756,
1.8035

351.9294,

 3.7409, 4.3362,

378.3416, 283.4244

0.4303

414.1006,
444.6738, 340.1188

■ 1.5566, 1.8634,
0.0000

■ 0.3639, 0.5262,
0.0000

■ 79.8567, 87.0352,
50.1267

■ 79.8567, 87.0352,
50.1267

■ 76.4790, 83.7442,
38.3200

■ 83.7337, 90.5768,
64.4051

■ 73.5665, 80.6807,
28.8359

■ 88.1287, 94.3676,
81.2817

■ 71.0912, 77.8363,
21.5177

■ 93.0672, 98.4212,
100.8809

■ 69.0190, 75.1969,
16.1873

95.0500, 100.0000,
108.9000

■ 67.3106, 72.7467,
12.6380

■ 65.9178, 70.4660,
10.6174

■ 65.1620, 69.1039,
9.9040

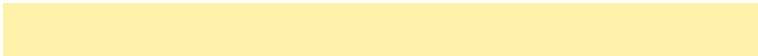
Harmonies

Analogous

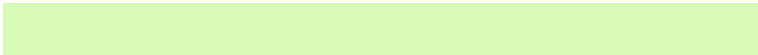
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9033, 87.0352, 52.2022



79.8567, 87.0352, 50.1267



71.2896, 87.0352, 57.9874

Triad

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



79.8567, 87.0352, 50.1267



68.6193, 87.0352, 133.4778



101.9395, 87.0352, 116.1979

Complementary

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



79.8567, 87.0352, 50.1267



51.3453, 49.5205, 101.4599

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.



95.3208, 87.0352, 144.5152



79.8567, 87.0352, 50.1267



75.9381, 87.0352, 155.8061

Square

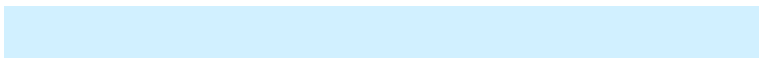
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.8567, 87.0352, 50.1267



65.1529, 87.0352, 103.3213



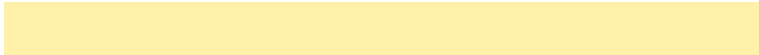
85.6598, 87.0352, 160.2077



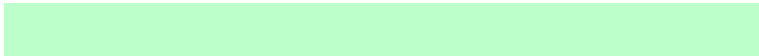
103.2010, 87.0352, 86.6975

Rectangle

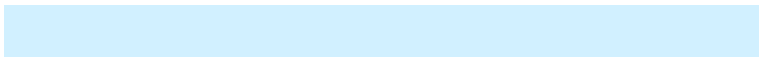
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.8567, 87.0352, 50.1267



67.3756, 87.0352, 68.9571



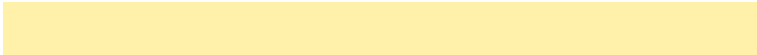
85.6598, 87.0352, 160.2077



100.2432, 87.0352, 126.3252

Sweetspot

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



79.8589, 87.0392, 50.1285



89.9034, 95.8462, 88.2571



64.0106, 53.0697, 51.8527



19.0978, 20.3947, 18.3177



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

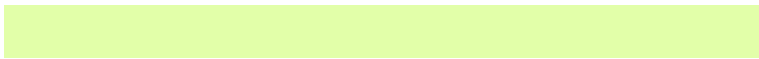
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.8589, 87.0392, 50.1285



77.6817, 84.9438, 42.4385



74.3905, 90.6074, 51.1055



19.2948, 20.5577, 19.0954



34.1422, 36.2956, 5.2063



3.3885, 3.6623, 0.5283

Inverse Universe

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



51.3453, 49.5205, 101.4599



45.4862, 42.5910, 100.4312



55.4397, 47.5575, 100.8652



17.2417, 17.8550, 22.7876



9.9246, 4.7588, 49.8300



1.0309, 0.5925, 4.8733

Previews

White Background



This preview shows how the XYZ color 79.8567, 87.0352, 50.1267 looks on a white background.

Color Contrast Check

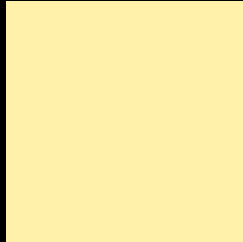
Large Text (above 18pt) WCAG AA × Fail

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 79.8567, 87.0352, 50.1267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

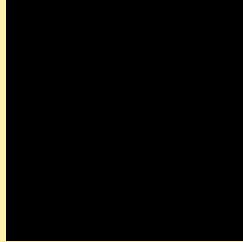
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 79.8567, 87.0352, 50.1267

Background



This preview shows how black text looks on a background with the XYZ color 79.8567, 87.0352, 50.1267.



This preview shows how white text looks on a background with the XYZ color 79.8567, 87.0352,

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

79.8567, 87.0352, 50.1267

Protanopia

81.2630, 87.1253, 58.9882

Deuteranopia

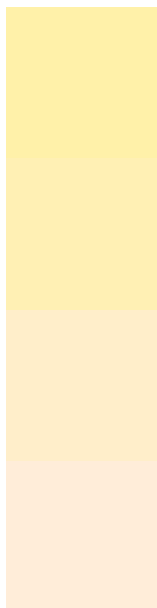
84.5753, 87.0488, 80.7511



Tritanopia

87.1442, 86.6982, 98.5276

Trichromacy



Original Color

79.8567, 87.0352, 50.1267

Protanomaly

80.6383, 86.8755, 55.6986

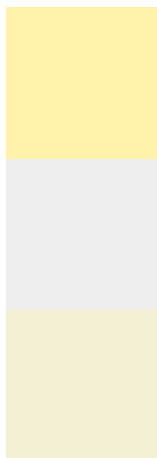
Deuteranomaly

82.4752, 86.6733, 68.2598

Tritanomaly

84.0486, 86.8381, 77.9772

Monochromacy



Original Color

79.8567, 87.0352, 50.1267

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.7664, 85.1356, 74.5160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.8567, 87.0352, 50.1267 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, 241, 169)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 169)  
}
```

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, 241, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 169) }
```

Border

The CSS property to change the border of an element to XYZ 79.8567, 87.0352, 50.1267 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, 241, 169) }
```


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

```
.border{ border-color:rgb(255, 241, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 241, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 169);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 79.8567, 87.0352, 50.1267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 169) }
```

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

```
.background{ background-color: rgb(255,  
241, 169) }
```

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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