

Converting Colors

XYZ(79.7417, 91.6979, 36.4728)

Have a look what the booklet for
XYZ(79.7417, 91.6979, 36.4728)
contains.

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Color

**XYZ(79.7434, 91.8145,
36.4407)**

Conversions

Conversions Part 1

Format	Color
Hex	FEFB87
RGB	254, 251, 135
RGB Percent	100%, 98%, 53%
CMY	0.0039, 0.0157, 0.4706
CMYK	0.00, 0.01, 0.47, 0.00
HSL	58°, 98%, 76%
HSV	58°, 47%, 100%
XYZ	79.7434, 91.8145, 36.4407
YIQ	238.6730, 39.0240, -35.4400

Conversions

Conversions Part 2

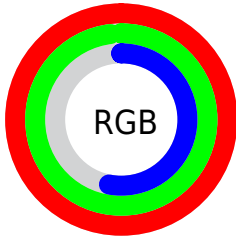
Format	Color
R _Y B	138, 254, 135
Decimal	16710535
CIE Lab	96.74, -14.39, 55.53
CIE LCh	97, 57.362, 104.526
Yxy	91.8145, 0.3834, 0.4414
Android (android.graphics.Color)	4294900615 (0xFFFEFB87)
YUV	238.6730, -51.1108, 13.4418
Hunter-Lab	95.8199, -19.1332, 44.5257

Details

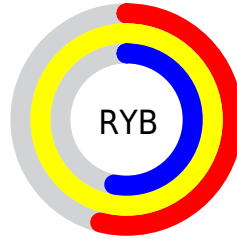
The XYZ color **79.7434, 91.8145, 36.4407** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **36.9694, 30.4827, 97.7009**, and the grayscale version is **82.1554, 86.4339, 94.1265**.

A 20% lighter version of the original color is **86.2943, 96.4977, 62.7929**, and **43.5438, 51.2415, 15.5782** is the 20% darker color. If you saturate the color by 10%, you get **77.9659, 90.7880, 28.0535**, and if you desaturate by 10%, it is **81.9526, 93.0214, 47.0785**.

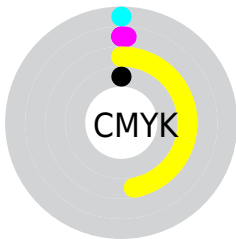
Distribution



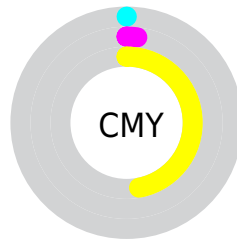
- Red (100%)
- Green (98%)
- Blue (53%)



- Red (54%)
- Yellow (100%)
- Blue (53%)



- Cyan (0%)
- Magenta (1%)
- Yellow (47%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 79.7434, 91.8145, 36.4407 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 79.7434, 91.8145, 36.4407 by changing the saturation by 10% instead.


 79.7434, 91.8145,
36.4407

 79.7434, 91.8145,
36.4407


482.8174,
533.9158, 345.9782


 59.8150, 69.4866,
24.4824


 131.9573,
149.8563, 70.8884

 43.5184, 51.1081,
15.4763


 164.9735,
186.3389, 94.2149

 30.4883, 36.2946,
9.0040


 203.0830,
228.3085, 122.1678

 20.3595, 24.6618,
4.6470

246.6512,
276.1496, 155.1657

 12.7664, 15.8253,
1.9866

296.0433,
330.2465, 193.6272

 7.3438, 9.4006,
0.5470

351.6248,

 3.7262, 5.0034,

390.9835, 237.9707

0.0000

413.7611,
458.7452, 288.6149

■ 1.5485, 2.2493,
0.0000

■ 0.3584, 0.7466,
0.0000

■ 79.7434, 91.8145,
36.4407

■ 79.7434, 91.8145,
36.4407

■ 77.9659, 90.7880,
28.0535

■ 81.9526, 93.0214,
47.0785

■ 76.5826, 89.9170,
21.7487

■ 84.6147, 94.4072,
60.1075

■ 75.5608, 89.1917,
17.3442

■ 87.7573, 95.9862,
75.6635

■ 74.8595, 88.5956,
14.6238

■ 91.4040, 97.7680,
93.8706

■ 74.4266, 88.1079,
13.3137

94.4285, 99.3020,
108.7980

■ 74.3209, 87.9668,
13.0622

94.6318, 99.7086,
108.8658

94.6829, 99.8108,
108.8828

Harmonies

Analogous

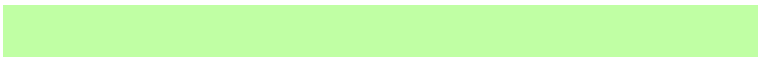
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.7742, 91.8145, 36.6345



79.7434, 91.8145, 36.4407



67.3415, 91.8145, 49.2179

Triad

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



79.7434, 91.8145, 36.4407



67.0377, 91.8145, 175.7579



120.5653, 91.8145, 125.4909

Complementary

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



79.7434, 91.8145, 36.4407



36.9694, 30.4827, 97.7009

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.



110.7795, 91.8145, 177.2713



79.7434, 91.8145, 36.4407



79.2790, 91.8145, 211.8203

Square

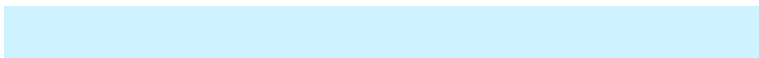
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.7434, 91.8145, 36.4407



60.6405, 91.8145, 123.8513



95.2494, 91.8145, 212.4465



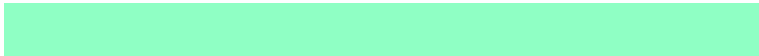
120.7296, 91.8145, 79.3753

Rectangle

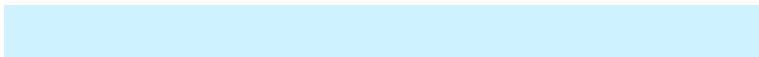
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.7434, 91.8145, 36.4407



62.2363, 91.8145, 66.5322



95.2494, 91.8145, 212.4465



118.2432, 91.8145, 143.0710

Sweetspot

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



79.7456, 91.8187, 36.4426



89.5400, 97.3387, 81.2941



54.1953, 40.2628, 29.3296



19.0030, 20.7546, 16.5925



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.



79.7456, 91.8187, 36.4426



78.8007, 91.6842, 28.9313



63.2274, 84.7022, 35.9396



19.5198, 21.0077, 19.1704



39.2005, 46.4123, 6.8924



3.8287, 4.5428, 0.6751

Inverse Universe

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



36.9694, 30.4827, 97.7009



30.9790, 23.1207, 97.4377



47.9228, 35.5007, 98.0921



17.0396, 17.4509, 22.7202



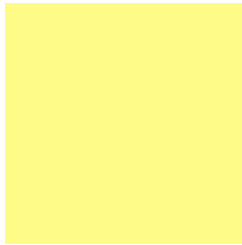
9.4837, 3.8770, 49.6831



0.9357, 0.4021, 4.8416

Previews

White Background



This preview shows how the XYZ color 79.7434, 91.8145, 36.4407 looks on a white background.

Color Contrast Check

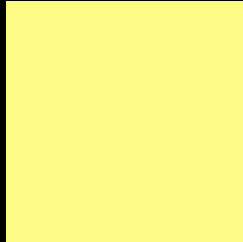
Large Text (above 18pt) WCAG AA × Fail

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 79.7434, 91.8145, 36.4407 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 79.7434, 91.8145, 36.4407

Background



This preview shows how black text looks on a background with the XYZ color 79.7434, 91.8145, 36.4407.



This preview shows how white text looks on a background with the XYZ color 79.7434, 91.8145,

Color Blindness Simulation

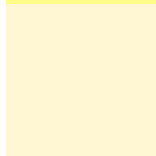
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



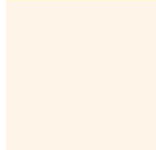
Original Color

79.7434, 91.8145, 36.4407



Protanopia

86.0794, 91.9250, 75.4938



Deuteranopia

88.1562, 91.7876, 89.4144



Tritanopia

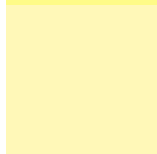
90.2474, 91.6664, 103.3793

Trichromacy



Original Color

79.7434, 91.8145, 36.4407



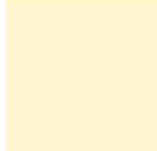
Protanomaly

83.4591, 91.8555, 58.6785



Deuteranomaly

84.5788, 91.8127, 66.0872



Tritanomaly

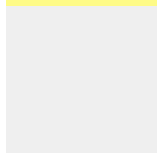
85.2776, 91.1189, 72.7676

Monochromacy



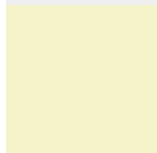
Original Color

79.7434, 91.8145, 36.4407



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

79.9014, 87.5513, 67.9462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.7434, 91.8145, 36.4407 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(254, 251, 135)` looks like.

```
.text, #text, p{  
    color:rgb(254, 251, 135)  
}
```

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(254, 251, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 251, 135) }
```

Border

The CSS property to change the border of an element to XYZ 79.7434, 91.8145, 36.4407 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(254, 251, 135) }
```


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

```
.border{ border-color:rgb(254, 251, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 251, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 251, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 251, 135);  
box-shadow:4px 4px 4px 4px rgb(254, 251,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 79.7434, 91.8145, 36.4407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 251, 135) }
```

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

```
.background{ background-color: rgb(254,  
251, 135) }
```

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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