

Converting Colors

XYZ(75.4080, 86.6745, 33.9949)

Have a look what the booklet for
XYZ(75.4080, 86.6745, 33.9949)
contains.

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Color

**XYZ(75.3931, 86.8730,
33.9136)**

Conversions

Conversions Part 1

Format	Color
Hex	F8F582
RGB	248, 245, 130
RGB Percent	97%, 96%, 51%
CMY	0.0275, 0.0392, 0.4902
CMYK	0.00, 0.01, 0.48, 0.03
HSL	58°, 89%, 74%
HSV	58°, 48%, 97%
XYZ	75.3931, 86.8730, 33.9136
YIQ	232.7870, 38.7030, -35.1290

Conversions

Conversions Part 2

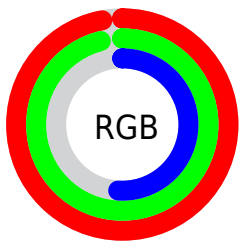
Format	Color
RYB	133, 248, 130
Decimal	16315778
CIELab	94.68, -14.24, 55.26
CIELCh	95, 57.070, 104.453
Yxy	86.8730, 0.3843, 0.4428
Android (android.graphics.Color)	4294505858 (0xFFFF8F582)
YUV	232.7870, -50.6740, 13.3418
Hunter-Lab	93.2057, -18.7232, 43.6709

Details

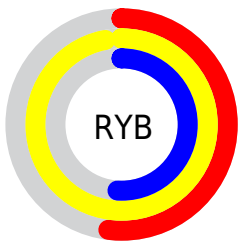
The XYZ color 75.3931, 86.8730, 33.9136 is a light color, and the websafe version is hex FFFF99. A complement of this color would be 34.5367, 28.2974, 92.4484, and the grayscale version is 77.6426, 81.6860, 88.9561.

A 20% lighter version of the original color is 85.7570, 96.2828, 59.9635, and 40.7724, 47.8782, 14.1137 is the 20% darker color. If you saturate the color by 10%, you get 73.7360, 85.9093, 26.1153, and if you desaturate by 10%, it is 77.4562, 88.0065, 43.8283.

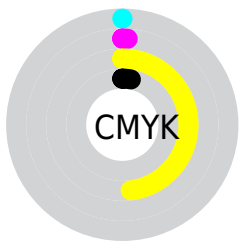
Distribution



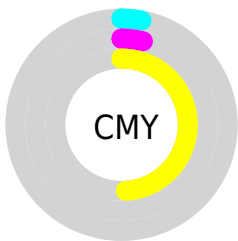
- Red (97%)
- Green (96%)
- Blue (51%)



- Red (52%)
- Yellow (97%)
- Blue (51%)



- Cyan (0%)
- Magenta (1%)
- Yellow (48%)
- Black (3%)





- Cyan (3%)
- Magenta (4%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.3931, 86.8730, 33.9136 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 75.3931, 86.8730, 33.9136 by changing the saturation by 10% instead.


 75.3931, 86.8730,
33.9136

 75.3931, 86.8730,
33.9136


468.2440,
517.8055, 334.5040


 56.2303, 65.3901,
22.5504


 125.8536,
142.9871, 66.9316

 40.6253, 47.7775,
14.0597


 157.8820,
178.3871, 89.4236

 28.2128, 33.6507,
8.0230

 194.9296,
219.1950, 116.4622

 18.6274, 22.6254,
4.0217

237.3619,
265.7950, 148.4660

 11.5038, 14.3171,
1.6372

285.5441,
318.5717, 185.8535

 6.4765, 8.3416,
0.3172

339.8416,

 3.1803, 4.3143,

377.9094, 229.0434

0.0000

400.6198,
444.1925, 278.4540

■ 1.2498, 1.8509,
0.0000

■ 0.1452, 0.5186,
0.0000

■ 75.3931, 86.8730,
33.9136

■ 75.3931, 86.8730,
33.9136

■ 73.7360, 85.9093,
26.1153

■ 77.4562, 88.0065,
43.8283

■ 72.4493, 85.0916,
20.2736


■ 79.9455, 89.3083,
55.9930


■ 71.5018, 84.4107,
16.2150


■ 82.8871, 90.7921,
70.5366

■ 70.8543, 83.8508,
13.7332


■ 86.3035, 92.4668,
87.5767


 70.4550, 83.3912,
12.5551


 90.2154, 94.3407,
107.2232

 70.3768, 83.2874,
12.3668

 90.5694, 94.7926,
108.1310

 90.7640, 95.1817,
108.1959

 90.9592, 95.5721,
108.2609

 91.1550, 95.9638,
108.3262

Harmonies

Analogous

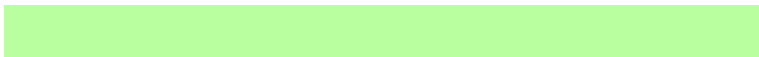
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.7695, 86.8730, 34.1256



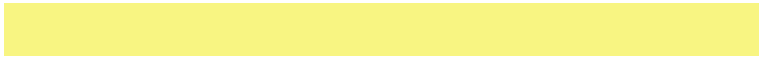
75.3931, 86.8730, 33.9136



63.5084, 86.8730, 46.0245

Triad

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



75.3931, 86.8730, 33.9136



63.1732, 86.8730, 167.3372



114.5338, 86.8730, 119.2070

Complementary

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



75.3931, 86.8730, 33.9136



34.5367, 28.2974, 92.4484

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.



105.1089, 86.8730, 169.0182



75.3931, 86.8730, 33.9136



74.8801, 86.8730, 202.1648

Square

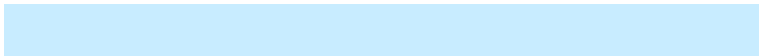
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.3931, 86.8730, 33.9136



57.0719, 86.8730, 117.3909



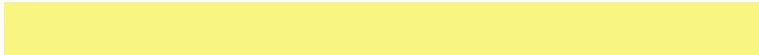
90.1889, 86.8730, 202.8611



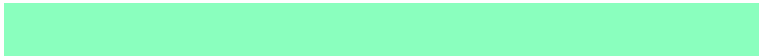
114.7160, 86.8730, 74.9508

Rectangle

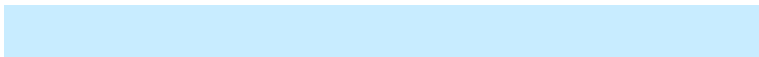
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.3931, 86.8730, 33.9136



58.6172, 86.8730, 62.5100



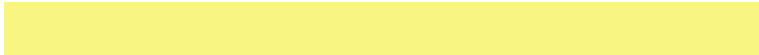
90.1889, 86.8730, 202.8611



112.2938, 86.8730, 136.1093

Sweetspot

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



75.3952, 86.8770, 33.9154



89.5375, 97.3338, 81.2933



50.9930, 37.6420, 27.1090



19.0024, 20.7534, 16.5923



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

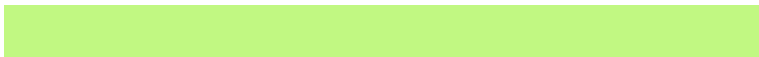
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.3952, 86.8770, 33.9154



78.6305, 91.5682, 28.1823



59.5725, 80.0753, 33.4365



18.6874, 20.1107, 18.3592



38.0344, 45.0254, 6.6862



3.5343, 4.1934, 0.6231

Inverse Universe

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



34.5367, 28.2974, 92.4484



30.3797, 22.3982, 97.3298



44.9504, 33.0662, 92.8200



16.3183, 16.7135, 21.7513



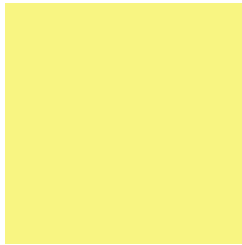
9.2047, 3.7650, 48.2151



0.8646, 0.3728, 4.4696

Previews

White Background



This preview shows how the XYZ color 75.3931, 86.8730, 33.9136 looks on a white background.

Color Contrast Check

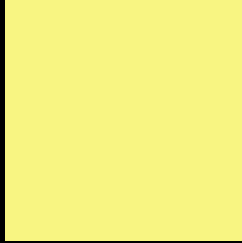
Large Text (above 18pt) WCAG AA × Fail

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 75.3931, 86.8730, 33.9136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

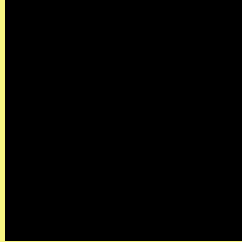
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 75.3931, 86.8730, 33.9136

Background



This preview shows how black text looks on a background with the XYZ color 75.3931, 86.8730, 33.9136.

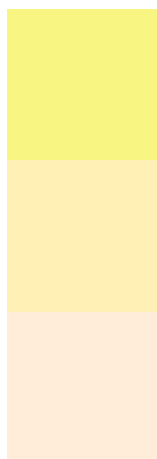


This preview shows how white text looks on a background with the XYZ color 75.3931, 86.8730,

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

75.3931, 86.8730, 33.9136

Protanopia

80.7406, 86.9164, 56.2371

Deuteranopia

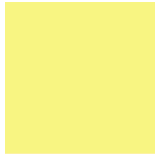
84.0486, 86.8381, 77.9772



Tritanopia

87.4513, 86.8210, 100.1446

Trichromacy



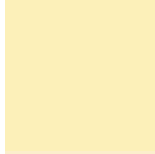
Original Color

75.3931, 86.8730, 33.9136



Protanomaly

78.4186, 86.8083, 46.8050



Deuteranomaly

80.0619, 86.5184, 58.3789



Tritanomaly

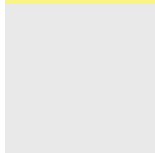
81.6185, 86.2042, 69.4640

Monochromacy



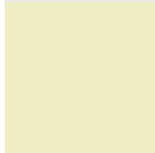
Original Color

75.3931, 86.8730, 33.9136



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

75.5079, 82.7310, 64.2135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.3931, 86.8730, 33.9136 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(248, 245, 130)` looks like.

```
.text, #text, p{  
    color:rgb(248, 245, 130)  
}
```

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(248, 245, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 245, 130) }
```

Border

The CSS property to change the border of an element to XYZ 75.3931, 86.8730, 33.9136 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(248, 245, 130) }
```


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

```
.border{ border-color:rgb(248, 245, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 245, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 245, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 245, 130);  
box-shadow:4px 4px 4px 4px rgb(248, 245,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 75.3931, 86.8730, 33.9136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 245, 130) }
```

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

```
.background{ background-color: rgb(248,  
245, 130) }
```

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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