

Converting Colors

XYZ(71.5035, 87.5666, 36.0551)

Have a look what the booklet for
XYZ(71.5035, 87.5666, 36.0551)
contains.

XYZ(71.5035, 87.5666, 36.0551)	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(71.5035, 87.5666,
36.0551)**

Conversions

Conversions Part 1

Format	Color
Hex	E6FB87
RGB	230, 251, 135
RGB Percent	90%, 98%, 53%
CMY	0.0980, 0.0157, 0.4706
CMYK	0.08, 0.00, 0.46, 0.02
HSL	71°, 94%, 76%
HSV	71°, 46%, 98%
XYZ	71.5035, 87.5666, 36.0551
YIQ	231.4970, 24.7200, -40.5280

Conversions

Conversions Part 2

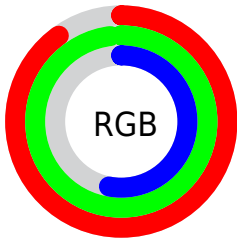
Format	Color
RYB	135, 251, 156
Decimal	15137671
CIELab	94.98, -23.61, 52.97
CIELCh	95, 57.998, 114.023
Yxy	87.5666, 0.3664, 0.4488
Android (android.graphics.Color)	4293327751 (0xFFE6FB87)
YUV	231.4970, -47.5730, -1.3129
Hunter-Lab	93.5770, -27.3655, 42.6596

Details

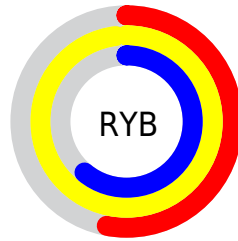
The XYZ color **71.5035, 87.5666, 36.0551** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.7901, 31.3631, 95.2284**, and the grayscale version is **76.6589, 80.6511, 87.8291**.

A 20% lighter version of the original color is **86.2943, 96.4977, 62.7929**, and **38.0484, 48.0770, 15.2571** is the 20% darker color. If you saturate the color by 10%, you get **68.5016, 86.2026, 27.7524**, and if you desaturate by 10%, it is **74.9644, 89.1248, 46.5571**.

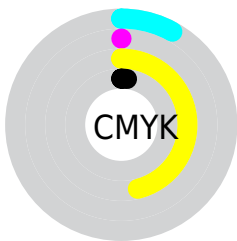
Distribution



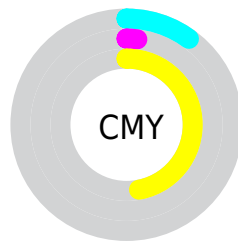
- Red (90%)
- Green (98%)
- Blue (53%)



- Red (53%)
- Yellow (98%)
- Blue (61%)



- Cyan (8%)
- Magenta (0%)
- Yellow (46%)
- Black (2%)





- Cyan (10%)
- Magenta (2%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.5035, 87.5666, 36.0551 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 71.5035, 87.5666, 36.0551 by changing the saturation by 10% instead.


 71.5035, 87.5666,
36.0551

 71.5035, 87.5666,
36.0551


454.9961,
520.0829, 344.2460


 53.0372, 65.9642,
24.1867


 120.3650,
143.9536, 70.2871

 38.0601, 48.2433,
15.2587


 151.4909,
179.5070, 93.4878

 26.2067, 34.0196,
8.8525


 187.5674,
220.4796, 121.3030

 17.1119, 22.9087,
4.5496

228.9599,
267.2556, 154.1513

 10.4101, 14.5261,
1.9314

276.0336,
320.2196, 192.4513

 5.7360, 8.4875,
0.5126

329.1540,

 2.7244, 4.4084,

379.7559, 236.6213

0.0000

388.6864,
446.2488, 287.0800

■ 1.0097, 1.9046,
0.0000

■ 0.0000, 0.5511,
0.0000

■ 71.5035, 87.5666,
36.0551

■ 71.5035, 87.5666,
36.0551

■ 68.5016, 86.2026,
27.7524

■ 74.9644, 89.1248,
46.5571

■ 65.9221, 85.0089,
21.4870

■ 78.9049, 90.8761,
59.3943

■ 63.7334, 83.9757,
17.0835

■ 83.3520, 92.8346,
74.6980

■ 61.8957, 83.0873,
14.3344

■ 88.3289, 95.0094,
92.5882

■ 60.3598, 82.3238,
12.9816

■ 92.9576, 97.0495,
108.4408

■ 59.8288, 82.0561,
12.6851

■ 93.7891, 97.4782,
108.4797

Harmonies

Analogous

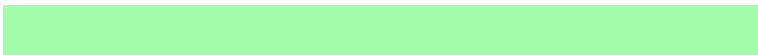
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.4220, 87.5666, 32.4984



71.5035, 87.5666, 36.0551



61.0558, 87.5666, 52.9425

Triad

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



71.5035, 87.5666, 36.0551



66.6814, 87.5666, 184.1256



117.1150, 87.5666, 104.6620

Complementary

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



71.5035, 87.5666, 36.0551



39.7901, 31.3631, 95.2284

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.



110.2106, 87.5666, 155.8874



71.5035, 87.5666, 36.0551



80.1164, 87.5666, 210.1824

Square

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



71.5035, 87.5666, 36.0551



58.5272, 87.5666, 135.1753



96.1720, 87.5666, 198.4851



114.0561, 87.5666, 64.2257

Rectangle

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



71.5035, 87.5666, 36.0551



57.3860, 87.5666, 73.4156



96.1720, 87.5666, 198.4851



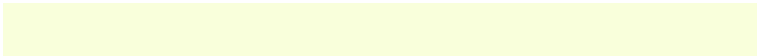
115.8577, 87.5666, 121.2571

Sweetspot

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



71.5056, 87.5705, 36.0569



87.4872, 96.7047, 81.2799



55.7706, 45.4824, 28.7624



18.4974, 20.5987, 16.5890



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.



71.5056, 87.5705, 36.0569



71.3460, 89.5095, 29.6611



56.2548, 79.7085, 35.3432



18.4010, 20.0225, 18.3573



31.5606, 43.1884, 6.6728



3.0006, 4.0400, 0.6216

Inverse Universe

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



39.7901, 31.3631, 95.2284



34.9922, 25.0127, 97.5914



53.3271, 38.3417, 95.8619



16.5761, 16.7941, 21.7532



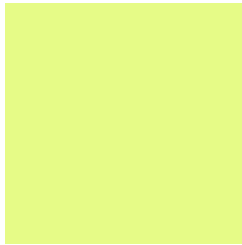
9.8181, 4.0041, 48.2289



0.9868, 0.4108, 4.4705

Previews

White Background



This preview shows how the XYZ color 71.5035, 87.5666, 36.0551 looks on a white background.

Color Contrast Check

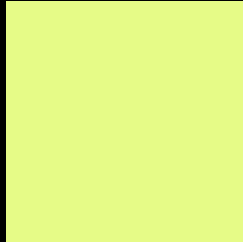
Large Text (above 18pt) WCAG AA × Fail

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 71.5035, 87.5666, 36.0551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

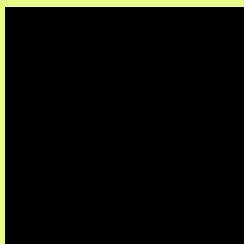
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.5035, 87.5666, 36.0551

Background



This preview shows how black text looks on a background with the XYZ color 71.5035, 87.5666, 36.0551.

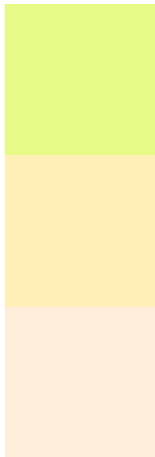


This preview shows how white text looks on a background with the XYZ color 71.5035, 87.5666,

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

71.5035, 87.5666, 36.0551

Protanopia

81.0518, 87.0409, 57.8761

Deuteranopia

84.3104, 86.9428, 79.3558



Tritanopia

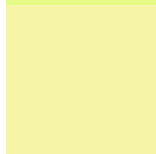
85.6424, 87.0215, 106.8907

Trichromacy



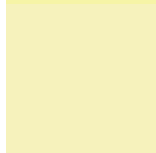
Original Color

71.5035, 87.5666, 36.0551



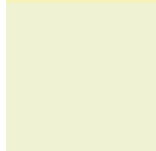
Protanomaly

77.2397, 87.0474, 48.8073



Deuteranomaly

78.8353, 86.7279, 60.1621



Tritanomaly

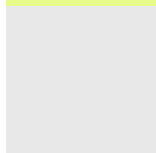
79.1066, 86.5581, 74.1660

Monochromacy



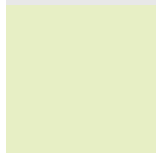
Original Color

71.5035, 87.5666, 36.0551



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

73.8995, 82.7531, 64.9014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.5035, 87.5666, 36.0551 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(230, 251, 135)` looks like.

```
.text, #text, p{  
    color:rgb(230, 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(230, 251, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 251, 135) }
```

Border

The CSS property to change the border of an element to XYZ 71.5035, 87.5666, 36.0551 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(230, 251, 135) }
```


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

```
.border{ border-color:rgb(230, 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(230, 251, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 251, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 251, 135);  
box-shadow:4px 4px 4px 4px rgb(230, 251,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 71.5035, 87.5666, 36.0551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 251, 135) }
```

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

```
.background{ background-color: rgb(230,  
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](#).

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