

Converting Colors

XYZ(68.4012, 87.3317, 30.6132)

Have a look what the booklet for
XYZ(68.4012, 87.3317, 30.6132)
contains.

XYZ(68.5904, 87.5877, 30.7438)	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(68.5904, 87.5877,
30.7438)**

Conversions

Conversions Part 1

Format	Color
Hex	DDFE77
RGB	221, 254, 119
RGB Percent	87%, 100%, 47%
CMY	0.1333, 0.0039, 0.5333
CMYK	0.13, 0.00, 0.53, 0.00
HSL	75°, 99%, 73%
HSV	75°, 53%, 100%
XYZ	68.5904, 87.5877, 30.7438
YIQ	228.7430, 23.6670, -48.9810

Conversions

Conversions Part 2

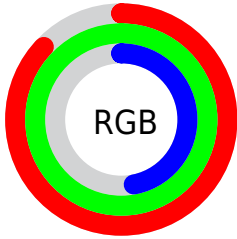
Format	Color
R _Y B	119, 254, 152
Decimal	14548599
CIE Lab	94.99, -29.91, 60.15
CIE LCh	95, 67.175, 116.440
Yxy	87.5877, 0.3669, 0.4686
Android (android.graphics.Color)	4292738679 (0xFFDDFE77)
YUV	228.7430, -54.1033, -6.7906
Hunter-Lab	93.5883, -32.9578, 46.0350

Details

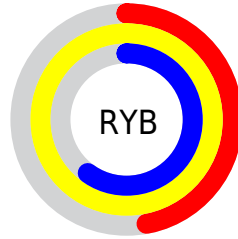
The XYZ color **68.5904, 87.5877, 30.7438** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **37.4385, 27.0271, 97.0146**, and the grayscale version is **74.6622, 78.5504, 85.5414**.

A 20% lighter version of the original color is **84.6400, 95.8360, 54.0816**, and **35.9959, 48.0892, 12.2354** is the 20% darker color. If you saturate the color by 10%, you get **65.4090, 86.1038, 23.6689**, and if you desaturate by 10%, it is **72.2536, 89.2786, 39.9723**.

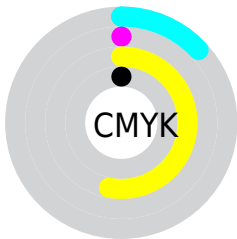
Distribution



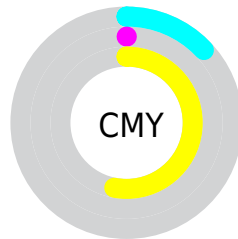
- Red (87%)
- Green (100%)
- Blue (47%)



- Red (47%)
- Yellow (100%)
- Blue (60%)



- Cyan (13%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.5904, 87.5877, 30.7438 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 68.5904, 87.5877, 30.7438 by changing the saturation by 10% instead.


 68.5904, 87.5877,
30.7438

 68.5904, 87.5877,
30.7438


444.9290,
520.1521, 319.6708


 50.6536, 65.9817,
20.1470


 116.2336,
143.9830, 61.9113

 36.1529, 48.2575,
12.3168


 146.6708,
179.5411, 83.3191

 24.7230, 34.0309,
6.8347


 182.0055,
220.5186, 109.1677

 15.9984, 22.9173,
3.2820

222.6030,
267.3000, 139.8756

 9.6139, 14.5325,
1.2404

268.8288,
320.2697, 175.8613

 5.2040, 8.4919,
0.0122

321.0481,

 2.4034, 4.4113,

379.8120, 217.5434

0.0000

379.6264,
446.3113, 265.3404

■ 0.8468, 1.9062,
0.0000

■ 0.0000, 0.5521,
0.0000

■ 68.5904, 87.5877,
30.7438

■ 68.5904, 87.5877,
30.7438

■ 65.4090, 86.1038,
23.6689

■ 72.2536, 89.2786,
39.9723

■ 62.6690, 84.8014,
18.5666


■ 76.4226, 91.1768,
51.5046


■ 60.3334, 83.6686,
15.2363

■ 81.1271, 93.2976,
65.4842

■ 58.3545, 82.6864,
13.4314

■ 86.3925, 95.6510,
82.0410

 57.1579, 82.0816,
12.8308

 92.2425, 98.2466,
101.2962

94.7338, 99.3675,
108.7946

Harmonies

Analogous

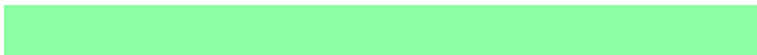
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4460, 87.5877, 26.1461



68.5904, 87.5877, 30.7438



57.3121, 87.5877, 49.9242

Triad

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



68.5904, 87.5877, 30.7438



65.3289, 87.5877, 205.9321



123.3855, 87.5877, 101.7410

Complementary

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



68.5904, 87.5877, 30.7438



37.4385, 27.0271, 97.0146

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.



116.0258, 87.5877, 162.3609



68.5904, 87.5877, 30.7438



81.0910, 87.5877, 234.8330

Square

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



68.5904, 87.5877, 30.7438



55.6312, 87.5877, 147.4427



99.8612, 87.5877, 216.5269



118.7639, 87.5877, 57.2737

Rectangle

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



68.5904, 87.5877, 30.7438



53.5997, 87.5877, 73.7050



99.8612, 87.5877, 216.5269



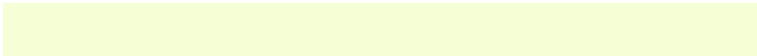
122.2065, 87.5877, 120.9075

Sweetspot

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



68.5925, 87.5916, 30.7457



85.5881, 95.8022, 77.7330



55.1923, 44.3780, 23.1108



18.0824, 20.3998, 15.8890



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.



68.5925, 87.5916, 30.7457



65.7367, 86.7514, 23.3594



52.2922, 79.1885, 29.9828



19.1019, 20.8539, 19.1628



30.2731, 43.3444, 6.7708



3.0460, 4.2710, 0.6639

Inverse Universe

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



37.4385, 27.0271, 97.0146



31.3288, 19.7211, 96.7631



53.4028, 35.2570, 97.7617



17.4189, 17.5922, 22.7275



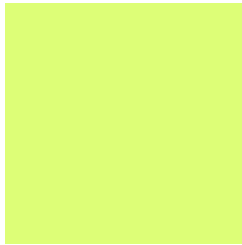
10.5927, 4.3712, 49.7200



1.1250, 0.4739, 4.8454

Previews

White Background



This preview shows how the XYZ color 68.5904, 87.5877, 30.7438 looks on a white background.

Color Contrast Check

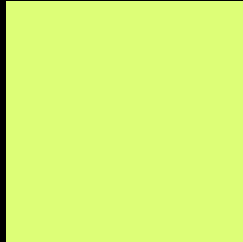
Large Text (above 18pt) WCAG AA × Fail

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 68.5904, 87.5877, 30.7438 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 68.5904, 87.5877, 30.7438

Background



This preview shows how black text looks on a background with the XYZ color 68.5904, 87.5877, 30.7438.



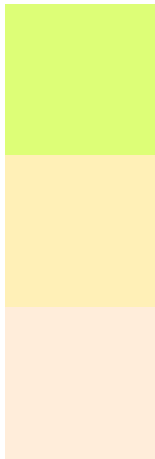
This preview shows how white text looks on a background with the XYZ color 68.5904, 87.5877,

30.7438.

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

68.5904, 87.5877, 30.7438

Protanopia

80.9473, 86.9991, 57.3259

Deuteranopia

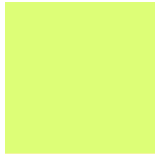
84.1791, 86.8903, 78.6645



Tritanopia

84.1764, 87.1301, 106.9890

Trichromacy



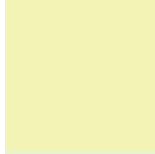
Original Color

68.5904, 87.5877, 30.7438



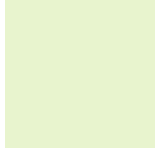
Protanomaly

75.9597, 86.8976, 46.0271



Deuteranomaly

77.4562, 86.5333, 56.8762



Tritanomaly

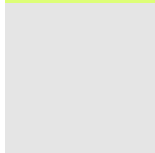
76.7700, 86.3134, 71.0065

Monochromacy



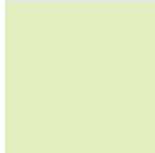
Original Color

68.5904, 87.5877, 30.7438



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.1239, 80.9919, 60.0285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5904, 87.5877, 30.7438 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(221, 254, 119)` looks like.

```
.text, #text, p{  
    color:rgb(221, 254, 119)  
}
```

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(221, 254, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 254, 119) }
```

Border

The CSS property to change the border of an element to XYZ 68.5904, 87.5877, 30.7438 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(221, 254, 119) }
```


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

```
.border{ border-color:rgb(221, 254, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 254, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 254, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 254, 119);  
box-shadow:4px 4px 4px 4px rgb(221, 254,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5904, 87.5877, 30.7438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 254, 119) }
```

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

```
.background{ background-color: rgb(221,  
254, 119) }
```

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