

Converting Colors

XYZ(66.2444, 86.6712, 38.8297)

Have a look what the booklet for
XYZ(66.2444, 86.6712, 38.8297)
contains.

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Color

**XYZ(66.3746, 86.7384,
38.8351)**

Conversions

Conversions Part 1

Format	Color
Hex	CFFF8E
RGB	207, 255, 142
RGB Percent	81%, 100%, 56%
CMY	0.1882, 0.0000, 0.4431
CMYK	0.19, 0.00, 0.44, 0.00
HSL	85°, 100%, 78%
HSV	85°, 44%, 100%
XYZ	66.3746, 86.7384, 38.8351
YIQ	227.7660, 7.6650, -45.3190

Conversions

Conversions Part 2

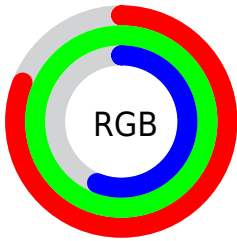
Format	Color
RYB	142, 255, 190
Decimal	13631374
CIELab	94.63, -33.24, 48.90
CIElCh	95, 59.130, 124.207
Yxy	86.7384, 0.3458, 0.4519
Android (android.graphics.Color)	4291821454 (0xFFCFFF8E)
YUV	227.7660, -42.2826, -18.2118
Hunter-Lab	93.1335, -35.7697, 40.4705

Details

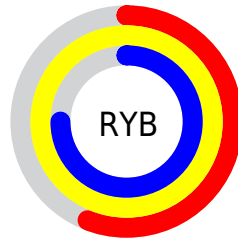
The XYZ color **66.3746, 86.7384, 38.8351** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **48.9595, 37.5145, 99.2683**, and the grayscale version is **73.8666, 77.7134, 84.6299**.

A 20% lighter version of the original color is **87.0780, 96.8112, 66.9203**, and **34.7598, 47.6887, 16.8240** is the 20% darker color. If you saturate the color by 10%, you get **61.7504, 84.5510, 29.7423**, and if you desaturate by 10%, it is **71.6450, 89.2082, 50.2464**.

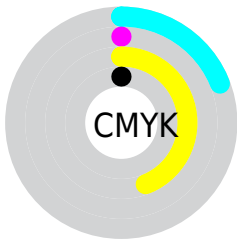
Distribution



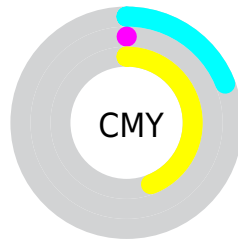
- Red (81%)
- Green (100%)
- Blue (56%)



- Red (56%)
- Yellow (100%)
- Blue (75%)



- Cyan (19%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.3746, 86.7384, 38.8351 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 66.3746, 86.7384, 38.8351 by changing the saturation by 10% instead.


 66.3746, 86.7384,
38.8351

 66.3746, 86.7384,
38.8351


437.1829,
517.3629, 356.5939

 48.8454, 65.2787,
26.3246


 113.0786,
142.7995, 74.6039

 34.7109, 47.6871,
16.8387


 142.9840,
178.1696, 98.6993

 23.6057, 33.5792,
9.9588


177.7456,
218.9455, 127.4934

 15.1645, 22.5705,
5.2664

217.7287,
265.5113, 161.4048

 9.0220, 14.2767,
2.3430

263.2986,
318.2516, 200.8521

 4.8128, 8.3134,
0.7551

314.8207,

 2.1715, 4.2961,

377.5507, 246.2536

0.0000

372.6604,
443.7930, 298.0280

■ 0.7276, 1.8405,
0.0000

■ 0.0000, 0.5123,
0.0000

■ 66.3746, 86.7384,
38.8351

■ 66.3746, 86.7384,
38.8351

■ 61.7504, 84.5510,
29.7423

■ 71.6450, 89.2082,
50.2464

■ 57.7372, 82.6315,
22.8047

■ 77.5921, 91.9733,
64.1171

■ 54.2968, 80.9641,
17.8437

■ 84.2453, 95.0456,
80.5809

■ 51.3852, 79.5308,
14.6505

■ 91.6319, 98.4366,
99.7612

■ 48.9493, 78.3098, 95.0500, 100.0000,
12.9690 108.9000

■ 47.7350, 77.6934,
12.4804

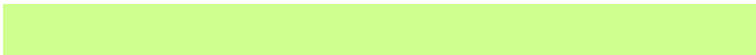
Harmonies

Analogous

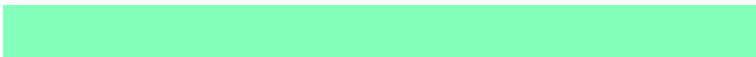
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2129, 86.7384, 31.1373



66.3746, 86.7384, 38.8351



57.7969, 86.7384, 61.1481

Triad

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



66.3746, 86.7384, 38.8351



69.8044, 86.7384, 197.6545



116.9674, 86.7384, 88.1456

Complementary

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



66.3746, 86.7384, 38.8351



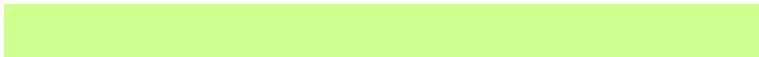
48.9595, 37.5145, 99.2683

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.



113.2537, 86.7384, 138.0494



66.3746, 86.7384, 38.8351



84.7126, 86.7384, 211.9149

Square

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



66.3746, 86.7384, 38.8351



59.5906, 86.7384, 152.9279



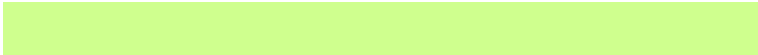
100.9138, 86.7384, 187.2987



110.4961, 86.7384, 53.1703

Rectangle

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



66.3746, 86.7384, 38.8351



55.5392, 86.7384, 85.8521



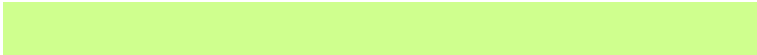
100.9138, 86.7384, 187.2987



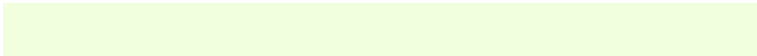
116.8740, 86.7384, 103.5895

Sweetspot

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



66.3749, 86.7385, 38.8363



85.1724, 95.4723, 82.9408



64.3387, 59.6450, 33.7141



17.8982, 20.2821, 16.9090



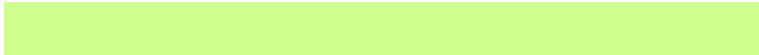
0.0000, 0.0000, 0.0000



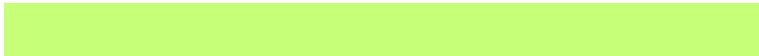
20.3446, 21.4041, 23.3091

Same Dimension

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



66.3749, 86.7385, 38.8363



62.3217, 84.8225, 30.8093



53.4833, 80.0926, 38.2330



18.7722, 20.6840, 19.1473



25.1169, 40.6863, 6.5294



2.5705, 4.0259, 0.6416

Inverse Universe

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



48.9595, 37.5145, 99.2683



42.9393, 29.9946, 98.1341



65.5836, 46.0846, 100.0463



17.7345, 17.7549, 22.7423



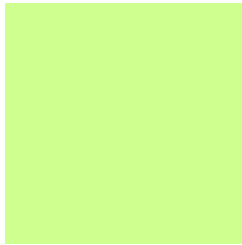
12.8456, 5.5326, 49.8254



1.3724, 0.6014, 4.8570

Previews

White Background



This preview shows how the XYZ color 66.3746, 86.7384, 38.8351 looks on a white background.

Color Contrast Check

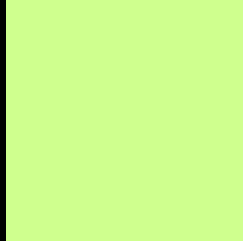
Large Text (above 18pt) WCAG AA × Fail

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 66.3746, 86.7384, 38.8351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

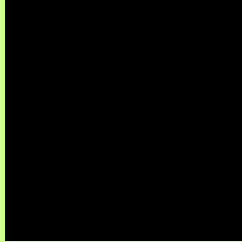
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

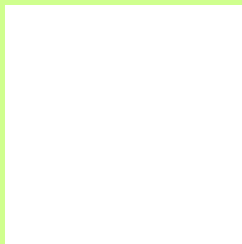
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.3746, 86.7384, 38.8351

Background



This preview shows how black text looks on a background with the XYZ color 66.3746, 86.7384, 38.8351.

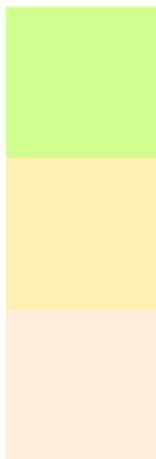


This preview shows how white text looks on a background with the XYZ color 66.3746, 86.7384,

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

66.3746, 86.7384, 38.8351

Protanopia

80.0423, 86.1673, 54.0082

Deuteranopia

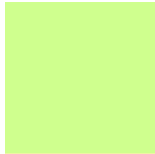
83.7598, 86.2607, 77.8810



Tritanopia

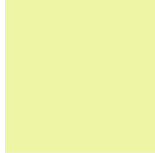
81.5002, 86.6246, 107.0324

Trichromacy



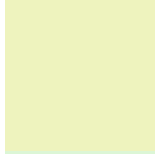
Original Color

66.3746, 86.7384, 38.8351



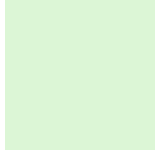
Protanomaly

74.6131, 86.1623, 47.8204



Deuteranomaly

76.6048, 85.9960, 61.2766



Tritanomaly

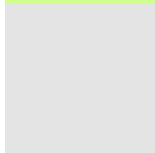
74.6086, 85.9822, 76.2823

Monochromacy



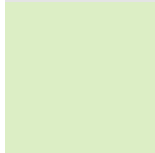
Original Color

66.3746, 86.7384, 38.8351



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.1678, 80.3959, 64.6431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.3746, 86.7384, 38.8351 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(207, 255, 142)` looks like.

```
.text, #text, p{  
    color:rgb(207, 255, 142)  
}
```

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(207, 255, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 255, 142) }
```

Border

The CSS property to change the border of an element to XYZ 66.3746, 86.7384, 38.8351 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(207, 255, 142) }
```


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

```
.border{ border-color:rgb(207, 255, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 255, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 255, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 255, 142);  
box-shadow:4px 4px 4px 4px rgb(207, 255,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 66.3746, 86.7384, 38.8351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 255, 142) }
```

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

```
.background{ background-color: rgb(207,  
255, 142) }
```

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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