

Converting Colors

XYZ(64.8940, 85.9401, 40.3476)

Have a look what the booklet for
XYZ(64.8940, 85.9401, 40.3476)
contains.

XYZ(64.7677, 85.8747, 40.3560)	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(64.7677, 85.8747,
40.3560)**

Conversions

Conversions Part 1

Format	Color
Hex	C8FF92
RGB	200, 255, 146
RGB Percent	78%, 100%, 57%
CMY	0.2157, 0.0000, 0.4274
CMYK	0.22, 0.00, 0.43, 0.00
HSL	90°, 100%, 79%
HSV	90°, 43%, 100%
XYZ	64.7677, 85.8747, 40.3560
YIQ	226.1290, 2.2090, -45.5590

Conversions

Conversions Part 2

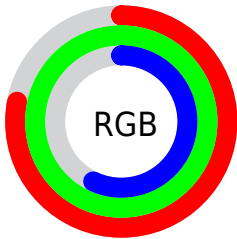
Format	Color
RYB	146, 255, 201
Decimal	13172626
CIELab	94.26, -35.26, 46.44
CIElCh	94, 58.309, 127.211
Yxy	85.8747, 0.3391, 0.4496
Android (android.graphics.Color)	4291362706 (0xFFC8FF92)
YUV	226.1290, -39.5036, -22.9151
Hunter-Lab	92.6686, -37.4133, 39.0480

Details

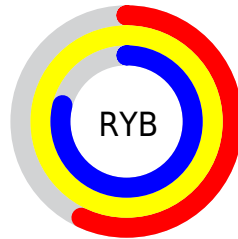
The XYZ color **64.7677, 85.8747, 40.3560** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **52.4176, 40.1966, 99.6038**, and the grayscale version is **72.6573, 76.4411, 83.2444**.

A 20% lighter version of the original color is **87.5426, 96.9970, 69.3667**, and **33.6715, 47.1078, 17.6740** is the 20% darker color. If you saturate the color by 10%, you get **59.7068, 83.4699, 30.8942**, and if you desaturate by 10%, it is **70.5609, 88.6058, 52.1637**.

Distribution



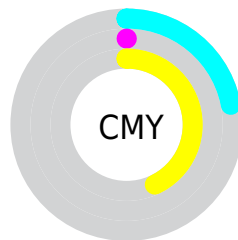
- Red (78%)
- Green (100%)
- Blue (57%)



- Red (57%)
- Yellow (100%)
- Blue (79%)



- Cyan (22%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.7677, 85.8747, 40.3560 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 64.7677, 85.8747, 40.3560 by changing the saturation by 10% instead.


 64.7677, 85.8747,
40.3560


 64.7677, 85.8747,
40.3560


431.5151,
514.5180, 363.2184

 47.5367, 64.5644,
27.5003


 110.7834,
141.5946, 76.9483

 33.6699, 47.1079,
17.7136


 140.2988,
176.7730, 101.5221

 22.8018, 33.1210,
10.5772


174.6398,
217.3428, 130.8389

 14.5671, 22.2191,
5.6728

214.1717,
263.6886, 165.3173

 8.6005, 14.0180,
2.5816

259.2598,
316.1945, 205.3760

 4.5365, 8.1332,
0.8829

310.2695,

 2.0099, 4.1803,

375.2452, 251.4333

0.0000

367.5661,
441.2248, 303.9080

0.6395, 1.7749,
0.0000

0.0000, 0.4715,
0.0000

64.7677, 85.8747,
40.3560

64.7677, 85.8747,
40.3560

59.7068, 83.4699,
30.8942

70.5609, 88.6058,
52.1637

55.3405, 81.3755,
23.6175

77.1193, 91.6773,
66.4560

51.6282, 79.5745,
18.3508

84.4747, 95.1025,
83.3656

48.5237, 78.0474,
14.8904

92.6567, 98.8940,
103.0144

■ 45.9721, 76.7715, 95.0500, 100.0000,
12.9895 108.9000

■ 44.4125, 75.9805,
12.3249

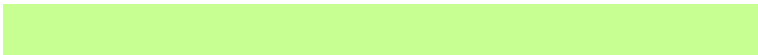
Harmonies

Analogous

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



77.9079, 85.8747, 31.4841



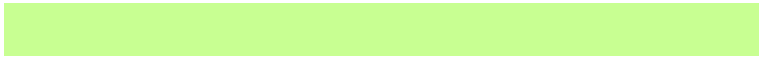
64.7677, 85.8747, 40.3560



56.9388, 85.8747, 63.9795

Triad

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



64.7677, 85.8747, 40.3560



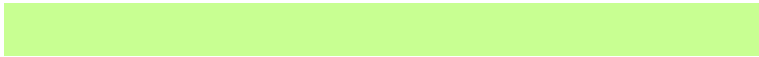
70.5291, 85.8747, 197.3715



115.2012, 85.8747, 83.1131

Complementary

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



64.7677, 85.8747, 40.3560



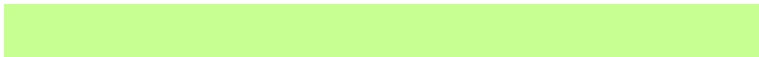
52.4176, 40.1966, 99.6038

Split Complementary

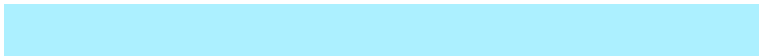
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



112.5697, 85.8747, 130.9451



64.7677, 85.8747, 40.3560



85.4509, 85.8747, 207.4711

Square

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



64.7677, 85.8747, 40.3560



59.9569, 85.8747, 155.7842



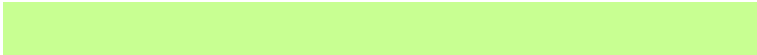
101.1710, 85.8747, 180.1273



107.9615, 85.8747, 50.5252

Rectangle

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



64.7677, 85.8747, 40.3560



55.1414, 85.8747, 89.3790



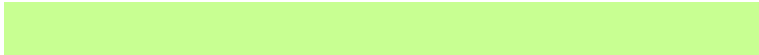
101.1710, 85.8747, 180.1273



115.4556, 85.8747, 97.7519

Sweetspot

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



64.7680, 85.8748, 40.3572



84.2762, 95.0102, 82.8989



67.1992, 64.8767, 36.1761



17.6771, 20.1681, 16.8987



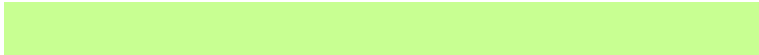
0.0000, 0.0000, 0.0000



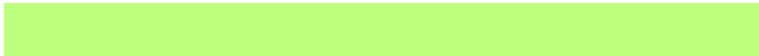
20.3446, 21.4041, 23.3091

Same Dimension

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



64.7680, 85.8748, 40.3572



60.5383, 83.8664, 32.3824



52.8032, 79.7067, 39.7973



18.6287, 20.6100, 19.1406



23.3783, 39.7900, 6.4481



2.4021, 3.9391, 0.6337

Inverse Universe

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



52.4176, 40.1966, 99.6038



46.7560, 32.8957, 98.4929



69.5694, 49.0387, 100.4065



17.8766, 17.8281, 22.7489



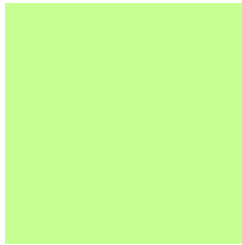
14.3087, 6.2869, 49.8939



1.5192, 0.6771, 4.8639

Previews

White Background



This preview shows how the XYZ color 64.7677, 85.8747, 40.3560 looks on a white background.

Color Contrast Check

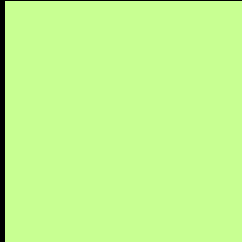
Large Text (above 18pt) WCAG AA × Fail

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 64.7677, 85.8747, 40.3560 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

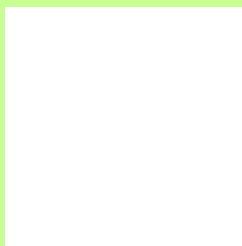
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.7677, 85.8747, 40.3560

Background



This preview shows how black text looks on a background with the XYZ color 64.7677, 85.8747, 40.3560.



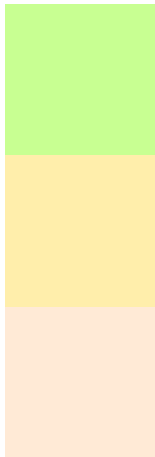
This preview shows how white text looks on a background with the XYZ color 64.7677, 85.8747,

40.3560.

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

64.7677, 85.8747, 40.3560

Protanopia

79.1652, 85.3493, 50.8297

Deuteranopia

82.8004, 84.9607, 75.6533



Tritanopia

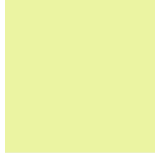
79.6295, 85.6602, 106.9449

Trichromacy



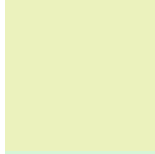
Original Color

64.7677, 85.8747, 40.3560



Protanomaly

73.1332, 84.9722, 46.7292



Deuteranomaly

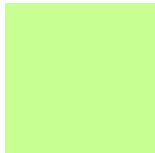
75.1984, 84.8406, 60.5566



Tritanomaly

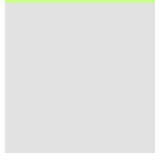
72.9531, 85.1140, 76.8736

Monochromacy



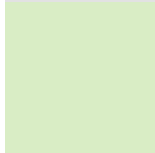
Original Color

64.7677, 85.8747, 40.3560



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

68.9775, 79.3513, 64.5042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7677, 85.8747, 40.3560 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(200, 255, 146)` looks like.

```
.text, #text, p{  
    color:rgb(200, 255, 146)  
}
```

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(200, 255, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 146) }
```

Border

The CSS property to change the border of an element to XYZ 64.7677, 85.8747, 40.3560 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(200, 255, 146) }
```


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

```
.border{ border-color:rgb(200, 255, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 255, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 146);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7677, 85.8747, 40.3560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 255, 146) }
```

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

```
.background{ background-color: rgb(200,  
255, 146) }
```

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