

Converting Colors

XYZ(64.2755, 85.5802, 42.1759)

Have a look what the booklet for
XYZ(64.2755, 85.5802, 42.1759)
contains.

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Color

**XYZ(64.2910, 85.5923,
41.9866)**

Conversions

Conversions Part 1

Format	Color
Hex	C5FF96
RGB	197, 255, 150
RGB Percent	77%, 100%, 59%
CMY	0.2274, 0.0000, 0.4118
CMYK	0.23, 0.00, 0.41, 0.00
HSL	93°, 100%, 79%
HSV	93°, 41%, 100%
XYZ	64.2910, 85.5923, 41.9866
YIQ	225.6880, -0.8630, -44.9510

Conversions

Conversions Part 2

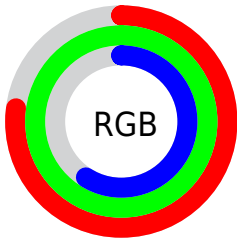
Format	Color
RYB	150, 255, 208
Decimal	12976022
CIELab	94.14, -35.82, 44.32
CIELCh	94, 56.987, 128.948
Yxy	85.5923, 0.3351, 0.4461
Android (android.graphics.Color)	4291166102 (0xFFC5FF96)
YUV	225.6880, -37.3142, -25.1594
Hunter-Lab	92.5161, -37.8605, 37.8537

Details

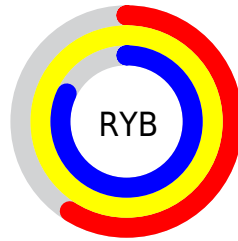
The XYZ color **64.2910, 85.5923, 41.9866** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **54.9699, 42.4438, 99.9030**, and the grayscale version is **72.3244, 76.0909, 82.8629**.

A 20% lighter version of the original color is **88.0194, 97.1878, 71.8776**, and **33.3363, 46.9140, 18.6076** is the 20% darker color. If you saturate the color by 10%, you get **58.9381, 83.0448, 32.1588**, and if you desaturate by 10%, it is **70.4361, 88.4966, 54.1861**.

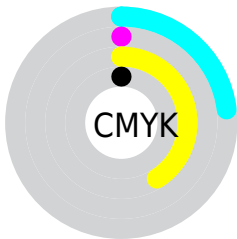
Distribution



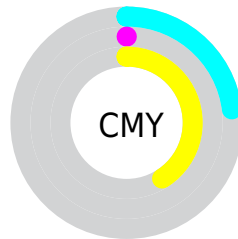
- Red (77%)
- Green (100%)
- Blue (59%)



- Red (59%)
- Yellow (100%)
- Blue (82%)



- Cyan (23%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.2910, 85.5923, 41.9866 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 64.2910, 85.5923, 41.9866 by changing the saturation by 10% instead.


 64.2910, 85.5923,
41.9866

 64.2910, 85.5923,
41.9866


429.8253,
513.5859, 370.2254

 47.1490, 64.3309,
28.7653


 110.1013,
141.2004, 79.4492

 33.3619, 46.9187,
18.6593


 139.5003,
176.3159, 104.5276

 22.5644, 32.9714,
11.2500


173.7157,
216.8182, 134.3955

 14.3911, 22.1045,
6.1190

213.1127,
263.0918, 169.4713

 8.4767, 13.9337,
2.8476

258.0569,
315.5209, 210.1737

 4.4558, 8.0746,
1.0174

308.9135,

 1.9631, 4.1427,

374.4900, 256.9211

0.0000

366.0478,
440.3836, 310.1322

0.6131, 1.7537,
0.0000

0.0000, 0.4581,
0.0000

64.2910, 85.5923,
41.9866

64.2910, 85.5923,
41.9866

58.9381, 83.0448,
32.1588

70.4361, 88.4966,
54.1861

54.3377, 80.8370,
24.5443

77.4081, 91.7725,
68.8941

50.4476, 78.9509,
18.9713

85.2405, 95.4344,
86.2418

47.2198, 77.3661,
15.2410

93.9647, 99.4958,
106.3500

■ 44.5983, 76.0590, 95.0500, 100.0000,
13.1150 108.9000

■ 42.7177, 75.1068,
12.2456

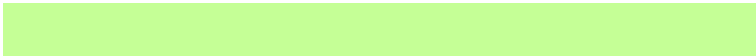
Harmonies

Analogous

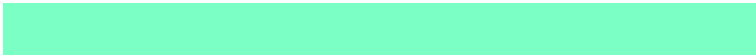
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.8805, 85.5923, 32.4548



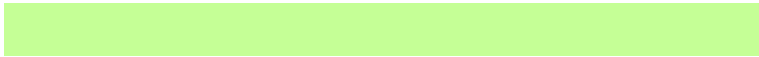
64.2910, 85.5923, 41.9866



56.9599, 85.5923, 66.1882

Triad

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



64.2910, 85.5923, 41.9866



71.2763, 85.5923, 195.4785



113.8609, 85.5923, 80.7445

Complementary

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



64.2910, 85.5923, 41.9866



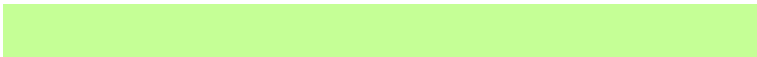
54.9699, 42.4438, 99.9030

Split Complementary

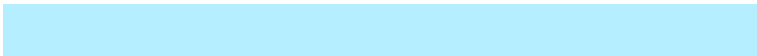
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



111.8721, 85.5923, 126.7008



64.2910, 85.5923, 41.9866



85.9955, 85.5923, 203.0779

Square

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



64.2910, 85.5923, 41.9866



60.6291, 85.5923, 156.5153



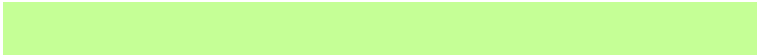
101.1943, 85.5923, 174.8641



106.3310, 85.5923, 49.7759

Rectangle

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



64.2910, 85.5923, 41.9866



55.4358, 85.5923, 91.6638



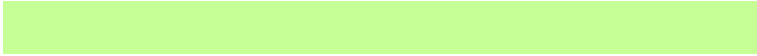
101.1943, 85.5923, 174.8641



114.3014, 85.5923, 94.7441

Sweetspot

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



64.2914, 85.5925, 41.9879



84.5613, 95.1175, 84.7084



69.2405, 68.4527, 38.4187



17.8720, 20.2528, 17.6194



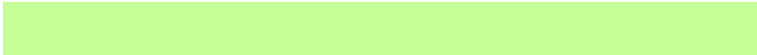
0.0000, 0.0000, 0.0000



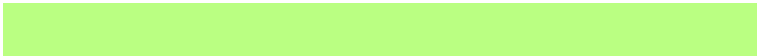
20.3446, 21.4041, 23.3091

Same Dimension

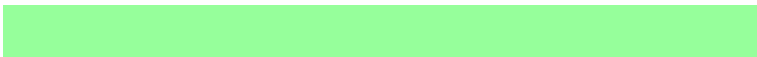
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.2914, 85.5925, 41.9879



60.0372, 83.5695, 34.1029



54.2759, 80.3794, 43.7759



18.5435, 20.5661, 19.1366



22.4869, 39.3305, 6.4064



2.3130, 3.8931, 0.6295

Inverse Universe

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



54.9699, 42.4438, 99.9030



49.6114, 35.3504, 98.8163



69.3630, 49.9601, 96.2246



17.9625, 17.8724, 22.7529



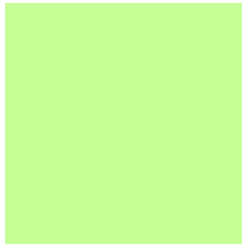
15.3332, 6.8151, 49.9419



1.6188, 0.7284, 4.8686

Previews

White Background



This preview shows how the XYZ color 64.2910, 85.5923, 41.9866 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 64.2910, 85.5923, 41.9866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

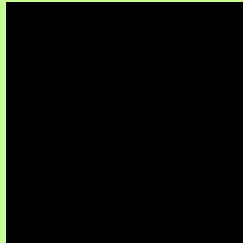
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

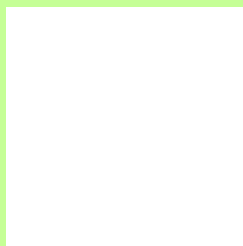
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.2910, 85.5923, 41.9866

Background



This preview shows how black text looks on a background with the XYZ color 64.2910, 85.5923, 41.9866.

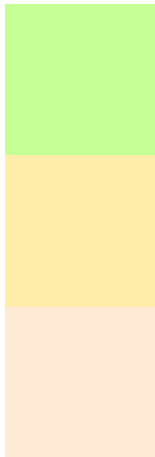


This preview shows how white text looks on a background with the XYZ color 64.2910, 85.5923,

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

64.2910, 85.5923, 41.9866

Protanopia

78.6856, 84.6929, 49.7363

Deuteranopia

82.8004, 84.9607, 75.6533



Tritanopia

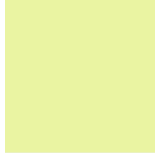
79.0205, 85.3462, 106.9164

Trichromacy



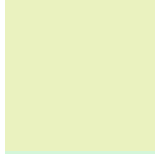
Original Color

64.2910, 85.5923, 41.9866



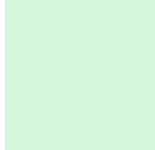
Protanomaly

72.8040, 84.8024, 46.7137



Deuteranomaly

75.0878, 84.7583, 61.6926



Tritanomaly

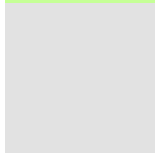
72.6315, 84.9183, 78.2084

Monochromacy



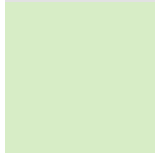
Original Color

64.2910, 85.5923, 41.9866



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

68.5016, 79.0927, 65.0821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2910, 85.5923, 41.9866 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(197, 255, 150)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 150)  
}
```

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(197, 255, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 150) }
```

Border

The CSS property to change the border of an element to XYZ 64.2910, 85.5923, 41.9866 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(197, 255, 150) }
```


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

```
.border{ border-color:rgb(197, 255, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 255, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 150);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2910, 85.5923, 41.9866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 150) }
```

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

```
.background{ background-color: rgb(197,  
255, 150) }
```

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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