

Converting Colors

XYZ(62.1917, 84.5470, 40.2197)

Have a look what the booklet for
XYZ(62.1917, 84.5470, 40.2197)
contains.

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Color

**XYZ(62.1835, 84.5425,
40.2350)**

Conversions

Conversions Part 1

Format	Color
Hex	BEFF92
RGB	190, 255, 146
RGB Percent	75%, 100%, 57%
CMY	0.2549, 0.0000, 0.4274
CMYK	0.25, 0.00, 0.43, 0.00
HSL	96°, 100%, 79%
HSV	96°, 43%, 100%
XYZ	62.1835, 84.5425, 40.2350
YIQ	223.1390, -3.7510, -47.6790

Conversions

Conversions Part 2

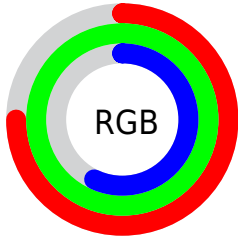
Format	Color
RYB	146, 255, 211
Decimal	12517266
CIELab	93.69, -38.72, 45.59
CIELCh	94, 59.819, 130.342
Yxy	84.5425, 0.3326, 0.4522
Android (android.graphics.Color)	4290707346 (0xFFBEFF92)
YUV	223.1390, -38.0295, -29.0629
Hunter-Lab	91.9470, -40.1882, 38.4182

Details

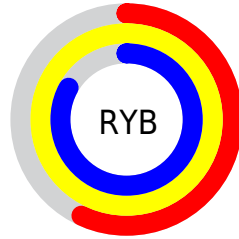
The XYZ color **62.1835, 84.5425, 40.2350** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **55.1941, 41.6279, 99.7337**, and the grayscale version is **70.5014, 74.1730, 80.7744**.

A 20% lighter version of the original color is **85.0140, 95.6935, 69.2483**, and **32.0014, 46.2468, 17.5958** is the 20% darker color. If you saturate the color by 10%, you get **56.8137, 81.9784, 30.7588**, and if you desaturate by 10%, it is **68.3927, 87.4881, 52.0621**.

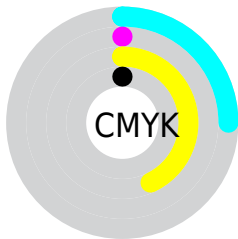
Distribution



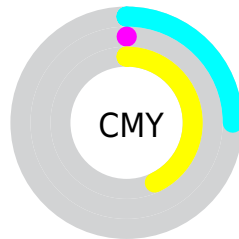
- Red (75%)
- Green (100%)
- Blue (57%)



- Red (57%)
- Yellow (100%)
- Blue (83%)



- Cyan (25%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.1835, 84.5425, 40.2350 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 62.1835, 84.5425, 40.2350 by changing the saturation by 10% instead.


 62.1835, 84.5425,
40.2350


 62.1835, 84.5425,
40.2350


422.3070,
510.1130, 362.6946

 45.4371, 63.4634,
27.4066


 107.0791,
139.7338, 76.7622

 32.0046, 46.2162,
17.6437


 135.9591,
174.6148, 101.2982

 21.5206, 32.4165,
10.5277


169.6144,
214.8653, 130.5737

 13.6197, 21.6798,
5.6401

208.4103,
260.8696, 165.0074

 7.9366, 13.6218,
2.5623

252.7121,
313.0121, 205.0178

 4.1058, 7.8581,
0.8729

302.8853,

 1.7622, 4.0043,

371.6773, 251.0235

0.0000

359.2951,
437.2494, 303.4429

0.4947, 1.6760,
0.0000

0.0000, 0.4080,
0.0000

62.1835, 84.5425,
40.2350

62.1835, 84.5425,
40.2350

56.8137, 81.9784,
30.7588

68.3927, 87.4881,
52.0621

52.2404, 79.7773,
23.4724

75.4790, 90.8316,
66.3792

48.4180, 77.9195,
18.2005

83.4786, 94.5889,
83.3189

45.2943, 76.3826,
14.7392

92.4252, 98.7747,
103.0034

■ 42.8084, 75.1405, 95.0500, 100.0000,
12.8414 108.9000

■ 41.3458, 74.3996,
12.1814

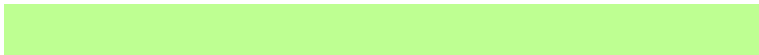
Harmonies

Analogous

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



75.0029, 84.5425, 30.0860



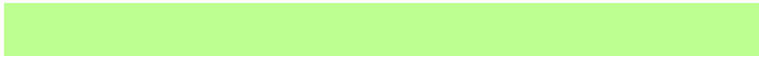
62.1835, 84.5425, 40.2350



54.9184, 84.5425, 65.6828

Triad

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



62.1835, 84.5425, 40.2350



70.5251, 84.5425, 201.2499



114.2500, 84.5425, 77.2443

Complementary

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



62.1835, 84.5425, 40.2350



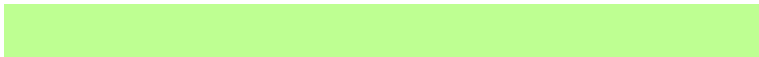
55.1941, 41.6279, 99.7337

Split Complementary

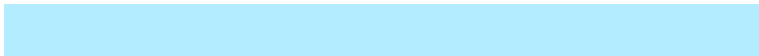
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



112.6365, 84.5425, 124.6757



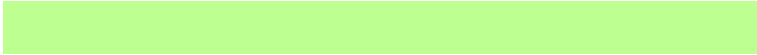
62.1835, 84.5425, 40.2350



85.9561, 84.5425, 207.4988

Square

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



62.1835, 84.5425, 40.2350



59.2775, 84.5425, 160.9688



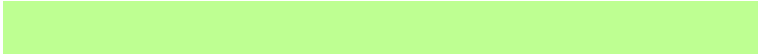
101.7611, 84.5425, 175.9731



105.9166, 84.5425, 46.2937

Rectangle

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



62.1835, 84.5425, 40.2350



53.5511, 84.5425, 92.5749



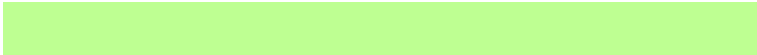
101.7611, 84.5425, 175.9731



114.8771, 84.5425, 91.5319

Sweetspot

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



62.1838, 84.5426, 40.2362



83.2621, 94.4874, 82.8514



69.3727, 69.2237, 36.9005



17.4275, 20.0394, 16.8870



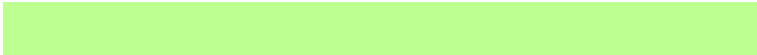
0.0000, 0.0000, 0.0000



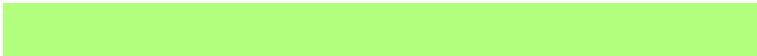
20.3446, 21.4041, 23.3091

Same Dimension

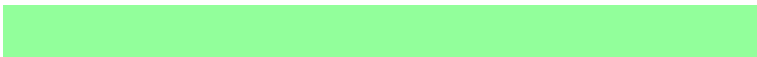
The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.1838, 84.5426, 40.2362



57.6916, 82.3989, 32.2492



53.5382, 80.0007, 43.6682



18.4656, 20.5260, 19.1330



21.7620, 38.9568, 6.3724



2.2385, 3.8548, 0.6261

Inverse Universe

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



55.1941, 41.6279, 99.7337



49.8711, 34.5016, 98.6387



68.1411, 48.4674, 92.8856



18.0419, 17.9133, 22.7567



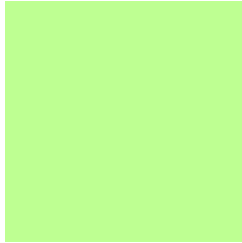
16.3775, 7.3534, 49.9907



1.7183, 0.7797, 4.8732

Previews

White Background



This preview shows how the XYZ color 62.1835, 84.5425, 40.2350 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 62.1835, 84.5425, 40.2350 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

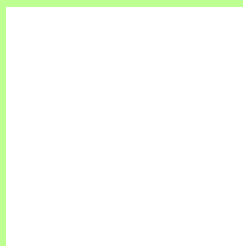
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.1835, 84.5425, 40.2350

Background



This preview shows how black text looks on a background with the XYZ color 62.1835, 84.5425, 40.2350.



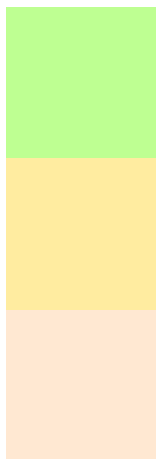
This preview shows how white text looks on a background with the XYZ color 62.1835, 84.5425,

40.2350.

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

62.1835, 84.5425, 40.2350

Protanopia

77.5806, 83.7890, 45.3417

Deuteranopia

81.7295, 83.6264, 72.8067



Tritanopia

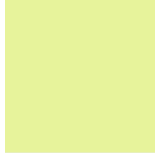
77.2344, 83.9872, 106.7482

Trichromacy



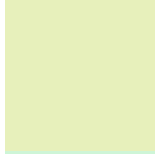
Original Color

62.1835, 84.5425, 40.2350



Protanomaly

70.9220, 83.4567, 43.3811



Deuteranomaly

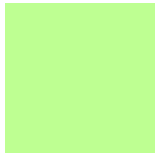
73.0847, 82.8970, 59.1624



Tritanomaly

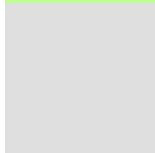
70.3717, 83.3329, 76.6659

Monochromacy



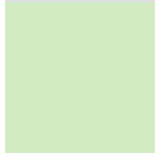
Original Color

62.1835, 84.5425, 40.2350



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

66.4226, 77.2057, 63.0311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.1835, 84.5425, 40.2350 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(190, 255, 146)` looks like.

```
.text, #text, p{  
    color:rgb(190, 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(190, 255, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 255, 146) }
```

Border

The CSS property to change the border of an element to XYZ 62.1835, 84.5425, 40.2350 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(190, 255, 146) }
```


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

```
.border{ border-color:rgb(190, 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(190, 255, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(190, 255, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(190, 255, 146); box-shadow:4px 4px 4px 4px rgb(190, 255, 146) }
```

Background

The CSS property to change the background color of an element to XYZ 62.1835, 84.5425, 40.2350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 255, 146) }
```

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

```
.background{ background-color: rgb(190,  
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](#).

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