

Converting Colors

XYZ(61.8788, 83.9855, 40.4041)

Have a look what the booklet for
XYZ(61.8788, 83.9855, 40.4041)
contains.

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Color

**XYZ(61.9435, 83.9374,
40.5405)**

Conversions

Conversions Part 1

Format	Color
Hex	BEFE93
RGB	190, 254, 147
RGB Percent	75%, 100%, 58%
CMY	0.2549, 0.0039, 0.4235
CMYK	0.25, 0.00, 0.42, 0.00
HSL	96°, 98%, 79%
HSV	96°, 42%, 100%
XYZ	61.9435, 83.9374, 40.5405
YIQ	222.6660, -3.7970, -46.8450

Conversions

Conversions Part 2

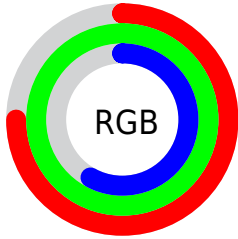
Format	Color
RYB	147, 254, 211
Decimal	12517011
CIELab	93.42, -38.15, 44.78
CIElCh	93, 58.828, 130.431
Yxy	83.9374, 0.3323, 0.4503
Android (android.graphics.Color)	4290707091 (0xFFBEFE93)
YUV	222.6660, -37.3033, -28.6481
Hunter-Lab	91.6174, -39.6446, 37.8964

Details

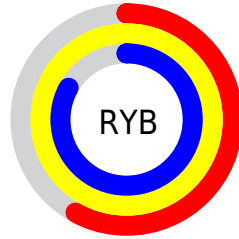
The XYZ color **61.9435, 83.9374, 40.5405** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **55.1907, 41.8745, 98.9443**, and the grayscale version is **70.1623, 73.8163, 80.3859**.

A 20% lighter version of the original color is **85.1321, 95.7407, 69.8700**, and **31.8181, 45.8090, 17.7547** is the 20% darker color. If you saturate the color by 10%, you get **56.5677, 81.3741, 31.0088**, and if you desaturate by 10%, it is **68.1592, 86.8880, 52.4119**.

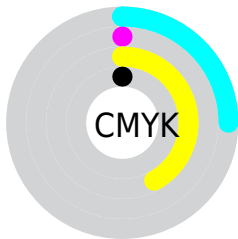
Distribution



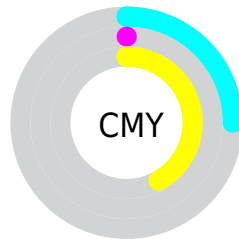
- Red (75%)
- Green (100%)
- Blue (58%)



- Red (58%)
- Yellow (100%)
- Blue (83%)



- Cyan (25%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.9435, 83.9374, 40.5405 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 61.9435, 83.9374, 40.5405 by changing the saturation by 10% instead.


 61.9435, 83.9374,
40.5405


 61.9435, 83.9374,
40.5405


421.4458,
508.1053, 364.0161

 45.2425, 62.9638,
27.6432


 106.7343,
138.8876, 77.2319

 31.8505, 45.8119,
17.8202


 135.5547,
173.6330, 101.8632

 21.4024, 32.0974,
10.6529


169.1457,
213.7377, 131.2428

 13.5326, 21.4359,
5.7227

207.8725,
259.5861, 165.7894

 7.8758, 13.4430,
2.6112

252.1006,
311.5627, 205.9215

 4.0667, 7.7343,
0.8982

302.1953,

 1.7399, 3.9254,

370.0519, 252.0576

0.0000

358.5219,
435.4379, 304.6163

0.4811, 1.6319,
0.0000

0.0000, 0.3790,
0.0000

61.9435, 83.9374,
40.5405

61.9435, 83.9374,
40.5405

56.5677, 81.3741,
31.0088

68.1592, 86.8880,
52.4119

51.9842, 79.1692,
23.6564

75.2468, 90.2316,
66.7582

48.1495, 77.3067,
18.3118

83.2437, 93.9872,
83.7107

45.0126, 75.7645,
14.7749

92.1836, 98.1696,
103.3900

■ 42.5134, 74.5172,
12.8044

94.7336, 99.3672,
108.7945

■ 40.9308, 73.7159,
12.0713

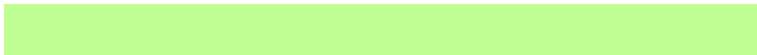
Harmonies

Analogous

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



74.4961, 83.9374, 30.4610



61.9435, 83.9374, 40.5405



54.8281, 83.9374, 65.6449

Triad

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



61.9435, 83.9374, 40.5405



70.1933, 83.9374, 197.9364



112.8875, 83.9374, 76.7715

Complementary

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



61.9435, 83.9374, 40.5405



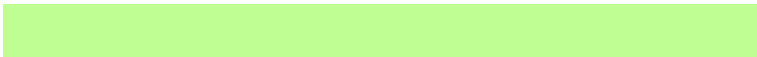
55.1907, 41.8745, 98.9443

Split Complementary

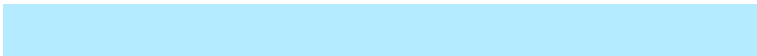
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



111.3432, 83.9374, 123.1235



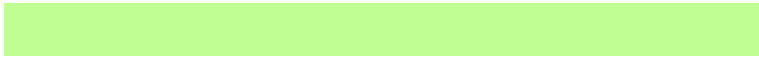
61.9435, 83.9374, 40.5405



85.3080, 83.9374, 203.8960

Square

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



61.9435, 83.9374, 40.5405



59.1460, 83.9374, 158.8086



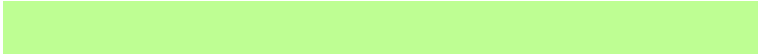
100.7486, 83.9374, 173.1389



104.7287, 83.9374, 46.4040

Rectangle

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



61.9435, 83.9374, 40.5405



53.4969, 83.9374, 92.0388



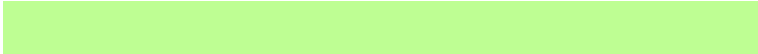
100.7486, 83.9374, 173.1389



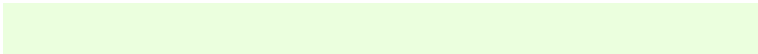
113.5094, 83.9374, 90.7514

Sweetspot

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



61.9456, 83.9410, 40.5423



83.2421, 94.4772, 82.8505



69.0457, 68.9864, 37.2816



17.4226, 20.0369, 16.8868



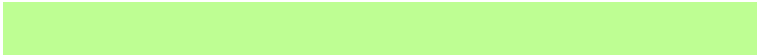
0.0000, 0.0000, 0.0000



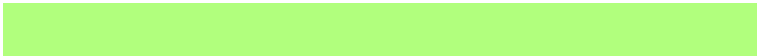
20.3446, 21.4041, 23.3091

Same Dimension

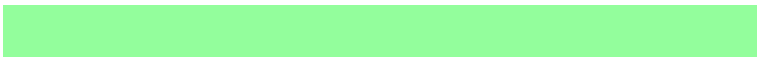
The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.9456, 83.9410, 40.5423



57.6375, 82.3710, 32.2467



53.4707, 79.4881, 43.9414



18.4624, 20.5243, 19.1328



21.7339, 38.9423, 6.3711



2.2356, 3.8533, 0.6259

Inverse Universe

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



55.1907, 41.8745, 98.9443



49.9355, 34.5348, 98.6417



67.8042, 48.5382, 92.2523



18.0452, 17.9150, 22.7568



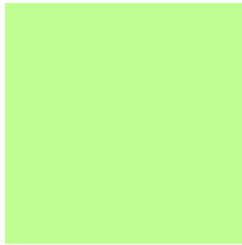
16.4229, 7.3768, 49.9929



1.7226, 0.7819, 4.8734

Previews

White Background



This preview shows how the XYZ color 61.9435, 83.9374, 40.5405 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 61.9435, 83.9374, 40.5405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

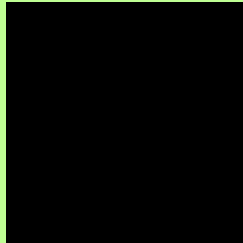
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

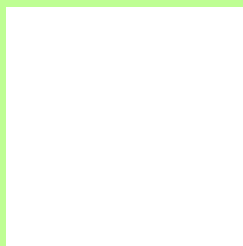
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 61.9435, 83.9374, 40.5405

Background



This preview shows how black text looks on a background with the XYZ color 61.9435, 83.9374, 40.5405.



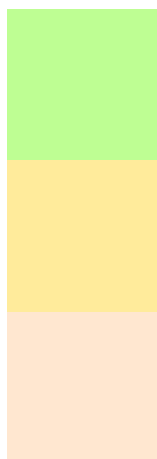
This preview shows how white text looks on a background with the XYZ color 61.9435, 83.9374,

40.5405.

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

61.9435, 83.9374, 40.5405

Protanopia

76.8647, 83.0432, 42.9881

Deuteranopia

81.2011, 82.9659, 71.4088



Tritanopia

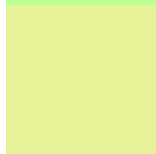
76.9416, 83.8363, 106.7345

Trichromacy



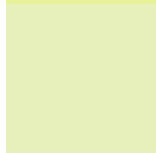
Original Color

61.9435, 83.9374, 40.5405



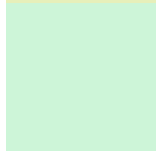
Protanomaly

70.3746, 82.7602, 41.9709



Deuteranomaly

72.6844, 82.2671, 58.5026



Tritanomaly

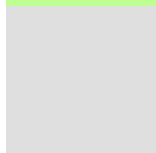
70.2239, 83.2418, 77.3318

Monochromacy



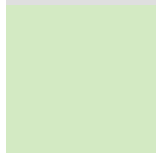
Original Color

61.9435, 83.9374, 40.5405



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

66.1371, 76.6347, 62.9359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.9435, 83.9374, 40.5405 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, 254, 147)` looks like.

```
.text, #text, p{  
    color:rgb(190, 254, 147)  
}
```

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, 254, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 254, 147) }
```

Border

The CSS property to change the border of an element to XYZ 61.9435, 83.9374, 40.5405 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, 254, 147) }
```


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

```
.border{ border-color:rgb(190, 254, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 254, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 254, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 254, 147);  
box-shadow:4px 4px 4px 4px rgb(190, 254,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 61.9435, 83.9374, 40.5405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 254, 147) }
```

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

```
.background{ background-color: rgb(190,  
254, 147) }
```

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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