

Converting Colors

XYZ(71.9870, 107.4532,
50.3025)

Have a look what the booklet for
XYZ(71.9870, 107.4532, 50.3025)
contains.

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Color

**XYZ(59.7844, 83.1720,
46.1605)**

Conversions

Conversions Part 1

Format	Color
Hex	AFFFA0
RGB	175, 255, 160
RGB Percent	69%, 100%, 63%
CMY	0.3137, 0.0000, 0.3725
CMYK	0.31, 0.00, 0.37, 0.00
HSL	111°, 100%, 81%
HSV	111°, 37%, 100%
XYZ	59.7844, 83.1720, 46.1605
YIQ	220.2500, -17.1850, -46.5050

Conversions

Conversions Part 2

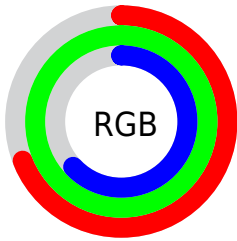
Format	Color
RYB	160, 255, 240
Decimal	11534240
CIELab	93.09, -41.81, 37.84
CIElCh	93, 56.392, 137.853
Yxy	83.1720, 0.3161, 0.4398
Android (android.graphics.Color)	4289724320 (0xFFAFFFA0)
YUV	220.2500, -29.7033, -39.6842
Hunter-Lab	91.1987, -42.5838, 33.8293

Details

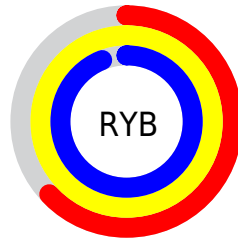
The XYZ color **59.7844, 83.1720, 46.1605** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **66.5569, 50.8881, 100.9222**, and the grayscale version is **68.4115, 71.9742, 78.3799**.

A 20% lighter version of the original color is **81.7589, 93.8015, 78.7621**, and **30.4557, 45.3716, 21.0623** is the 20% darker color. If you saturate the color by 10%, you get **53.3348, 80.0790, 35.3843**, and if you desaturate by 10%, it is **67.4589, 86.8436, 59.3847**.

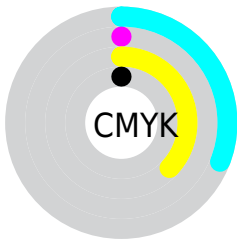
Distribution



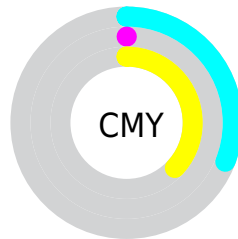
- Red (69%)
- Green (100%)
- Blue (63%)



- Red (63%)
- Yellow (100%)
- Blue (94%)



- Cyan (31%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.7844, 83.1720, 46.1605 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 59.7844, 83.1720, 46.1605 by changing the saturation by 10% instead.


 59.7844, 83.1720,
46.1605


 59.7844, 83.1720,
46.1605


413.6501,
505.5596, 387.7499

 43.4937, 62.3321,
32.0229


 103.6250,
137.8163, 85.7960

 30.4688, 45.3011,
21.1140


 131.9055,
172.3895, 112.1309

 20.3446, 31.6946,
13.0153


164.9134,
212.3092, 143.3687

 12.7555, 21.1284,
7.3083

203.0140,
257.9599, 179.9280

 7.3362, 13.2179,
3.5743

246.5726,
309.7258, 222.2272

 3.7214, 7.5787,
1.3948

295.9546,

 1.5458, 3.8266,

367.9915, 270.6849

0.1377

351.5253,
433.1413, 325.7196

0.3567, 1.5770,
0.0000

0.0000, 0.3420,
0.0000

59.7844, 83.1720,
46.1605

59.7844, 83.1720,
46.1605

53.3348, 80.0790,
35.3843

67.4589, 86.8436,
59.3847

48.0445, 77.5340,
26.9021

76.4164, 91.1209,
75.1903

43.8435, 75.5046,
20.5488

86.7131, 96.0298,
93.7057

40.6537, 73.9546,
16.1353

95.0500, 100.0000,
108.9000

■ 38.3859, 72.8428,
13.4395

■ 36.9322, 72.1199,
12.1751

■ 36.6452, 71.9764,
11.9614

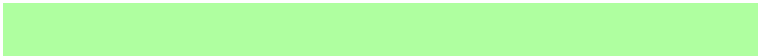
Harmonies

Analogous

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



70.6494, 83.1720, 33.0491



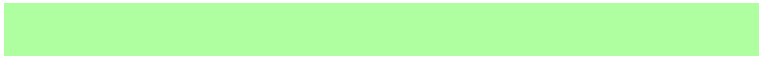
59.7844, 83.1720, 46.1605



54.3800, 83.1720, 74.4793

Triad

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



59.7844, 83.1720, 46.1605



73.2177, 83.1720, 195.8128



109.3326, 83.1720, 67.8127

Complementary

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



59.7844, 83.1720, 46.1605



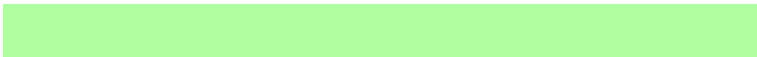
66.5569, 50.8881, 100.9222

Split Complementary

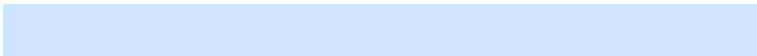
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



110.2449, 83.1720, 108.8036



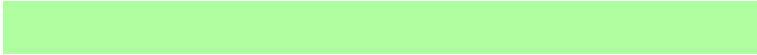
59.7844, 83.1720, 46.1605



88.0967, 83.1720, 192.3241

Square

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



59.7844, 83.1720, 46.1605



61.4619, 83.1720, 165.3733



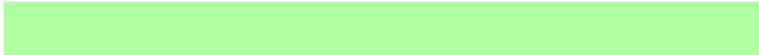
102.0707, 83.1720, 156.9533



99.7149, 83.1720, 42.5973

Rectangle

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



59.7844, 83.1720, 46.1605



54.0922, 83.1720, 102.1522



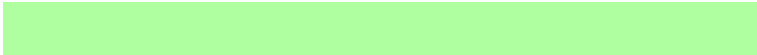
102.0707, 83.1720, 156.9533



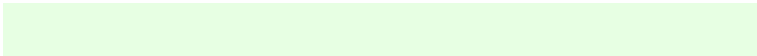
110.7074, 83.1720, 79.8801

Sweetspot

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



59.7849, 83.1723, 46.1618



82.6956, 94.1153, 86.4444



78.5008, 85.6291, 45.6496



17.3992, 20.0010, 17.9608



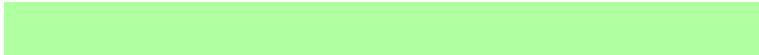
0.0000, 0.0000, 0.0000



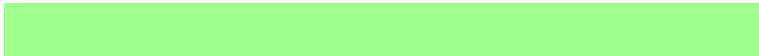
20.3446, 21.4041, 23.3091

Same Dimension

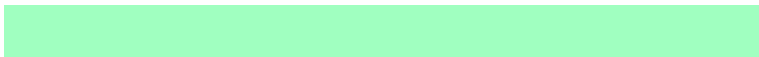
The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.7849, 83.1723, 46.1618



54.6850, 80.7272, 37.6074



59.7355, 82.7849, 62.5075



18.0386, 20.3058, 19.1130



19.2265, 37.6497, 6.2538



1.9453, 3.7036, 0.6123

Inverse Universe

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



66.5569, 50.8881, 100.9222



62.3506, 44.0337, 99.8209



67.1757, 51.7483, 76.4964



18.4944, 18.1466, 22.7778



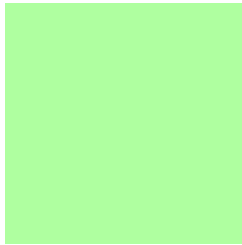
24.1405, 11.3554, 50.3540



2.4228, 1.1429, 4.9062

Previews

White Background



This preview shows how the XYZ color 59.7844, 83.1720, 46.1605 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 59.7844, 83.1720, 46.1605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

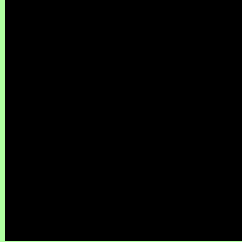
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.7844, 83.1720, 46.1605

Background



This preview shows how black text looks on a background with the XYZ color 59.7844, 83.1720, 46.1605.

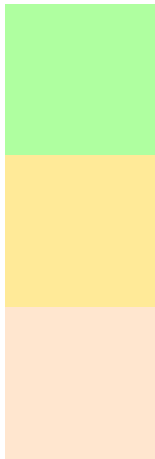


This preview shows how white text looks on a background with the XYZ color 59.7844, 83.1720,

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

59.7844, 83.1720, 46.1605

Protanopia

76.3303, 82.3726, 41.5822

Deuteranopia

80.7993, 82.3586, 70.6697



Tritanopia

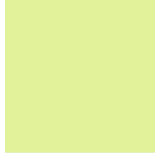
74.3869, 82.5193, 106.6150

Trichromacy



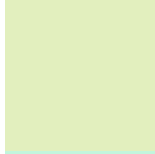
Original Color

59.7844, 83.1720, 46.1605



Protanomaly

69.0326, 82.0396, 43.2072



Deuteranomaly

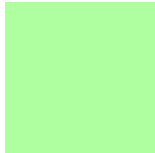
71.5248, 81.6195, 60.6996



Tritanomaly

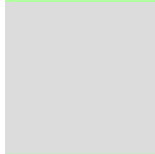
67.8188, 81.9415, 79.9520

Monochromacy



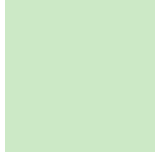
Original Color

59.7844, 83.1720, 46.1605



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

64.2338, 75.1924, 64.5542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.7844, 83.1720, 46.1605 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(175, 255, 160)` looks like.

```
.text, #text, p{  
    color:rgb(175, 255, 160)  
}
```

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(175, 255, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 255, 160) }
```

Border

The CSS property to change the border of an element to XYZ 59.7844, 83.1720, 46.1605 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(175, 255, 160) }
```


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

```
.border{ border-color:rgb(175, 255, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 255, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 255, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 255, 160);  
box-shadow:4px 4px 4px 4px rgb(175, 255,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 59.7844, 83.1720, 46.1605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 255, 160) }
```

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

```
.background{ background-color: rgb(175,  
255, 160) }
```

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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