

Converting Colors

XYZ(59.5500, 83.1980, 39.5152)

Have a look what the booklet for
XYZ(59.5500, 83.1980, 39.5152)
contains.

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Color

**XYZ(59.6932, 83.2676,
39.7142)**

Conversions

Conversions Part 1

Format	Color
Hex	B4FF91
RGB	180, 255, 145
RGB Percent	71%, 100%, 57%
CMY	0.2941, 0.0000, 0.4314
CMYK	0.29, 0.00, 0.43, 0.00
HSL	101°, 100%, 78%
HSV	101°, 43%, 100%
XYZ	59.6932, 83.2676, 39.7142
YIQ	220.0350, -9.3900, -50.1100

Conversions

Conversions Part 2

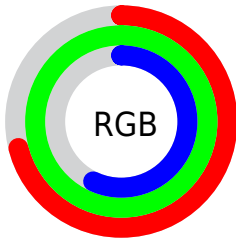
Format	Color
RYB	145, 255, 220
Decimal	11861905
CIELab	93.13, -42.21, 45.26
CIElCh	93, 61.887, 133.002
Yxy	83.2676, 0.3268, 0.4558
Android (android.graphics.Color)	4290051985 (0xFFB4FF91)
YUV	220.0350, -36.9923, -35.1107
Hunter-Lab	91.2511, -42.9211, 38.0716

Details

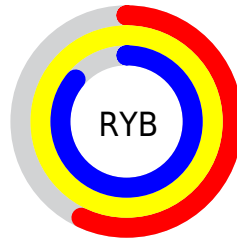
The XYZ color **59.6932, 83.2676, 39.7142** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **57.6919, 42.6878, 99.8066**, and the grayscale version is **68.3064, 71.8636, 78.2595**.

A 20% lighter version of the original color is **81.4452, 93.8673, 68.4692**, and **30.4380, 45.4460, 17.2929** is the 20% darker color. If you saturate the color by 10%, you get **54.1453, 80.6098, 30.3171**, and if you desaturate by 10%, it is **66.1909, 86.3640, 51.4615**.

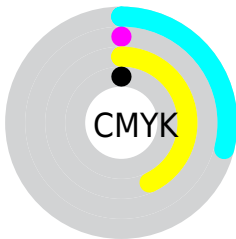
Distribution



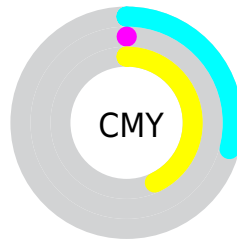
- Red (71%)
- Green (100%)
- Blue (57%)



- Red (57%)
- Yellow (100%)
- Blue (86%)



- Cyan (29%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.6932, 83.2676, 39.7142 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 59.6932, 83.2676, 39.7142 by changing the saturation by 10% instead.


 59.6932, 83.2676,
39.7142


 59.6932, 83.2676,
39.7142


413.3189,
505.8779, 360.4337

 43.4199, 62.4109,
27.0037


 103.4934,
137.9502, 75.9604

 30.4107, 45.3648,
17.3435


 131.7510,
172.5449, 100.3332

 20.3001, 31.7449,
10.3152


164.7340,
212.4878, 129.4305

 12.7229, 21.1667,
5.5001

202.8079,
258.1632, 163.6709

 7.3137, 13.2459,
2.4798

246.3380,
309.9555, 203.4729

 3.7071, 7.5981,
0.8294


295.6896,


 1.5378, 3.8389,


368.2491, 249.2550


0.0000


351.2281,
433.4285, 301.4357


 0.3513, 1.5838,
0.0000


 0.0000, 0.3467,
0.0000


 59.6932, 83.2676,
39.7142


 59.6932, 83.2676,
39.7142


 54.1453, 80.6098,
30.3171


 66.1909, 86.3640,
51.4615


 49.4976, 78.3686,
23.1083

 73.6822, 89.9185,
65.6990

 45.6969, 76.5203,
17.9111

 82.2092, 93.9500,
82.5599

 42.6831, 75.0386,
14.5201

 91.8114, 98.4761,
102.1671

■ 40.3861, 73.8927, 95.0500, 100.0000,
12.6853 108.9000

■ 39.1647, 73.2752,
12.0793

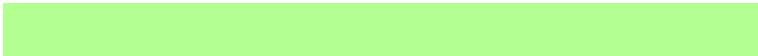
Harmonies

Analogous

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



72.3214, 83.2676, 28.4475



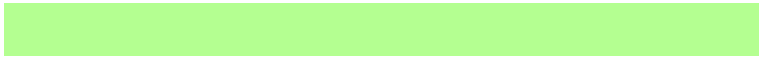
59.6932, 83.2676, 39.7142



52.8714, 83.2676, 66.9453

Triad

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



59.6932, 83.2676, 39.7142



70.3582, 83.2676, 205.9494



113.6483, 83.2676, 71.9895

Complementary

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



59.6932, 83.2676, 39.7142



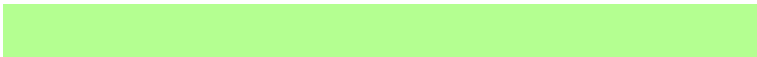
57.6919, 42.6878, 99.8066

Split Complementary

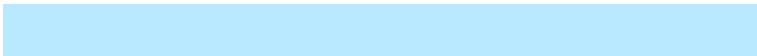
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



112.9323, 83.2676, 119.4126



59.6932, 83.2676, 39.7142



86.3814, 83.2676, 208.7520

Square

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



59.6932, 83.2676, 39.7142



58.4261, 83.2676, 166.3898



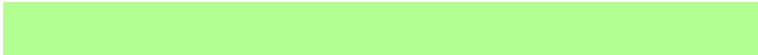
102.4169, 83.2676, 173.0898



104.2568, 83.2676, 42.3131

Rectangle

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



59.6932, 83.2676, 39.7142



51.8678, 83.2676, 95.4306



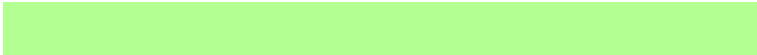
102.4169, 83.2676, 173.0898



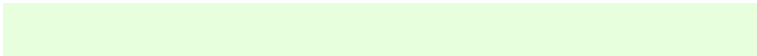
114.6158, 83.2676, 86.0593

Sweetspot

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



59.6936, 83.2678, 39.7155



82.3325, 94.0082, 82.8079



71.5093, 73.6209, 37.2306



17.1995, 19.9219, 16.8763



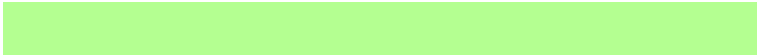
0.0000, 0.0000, 0.0000



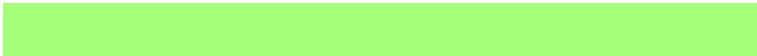
20.3446, 21.4041, 23.3091

Same Dimension

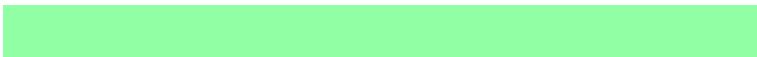
The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.6936, 83.2678, 39.7155



54.7293, 80.8904, 31.2714



54.0786, 80.1964, 47.4376



18.3155, 20.4485, 19.1260



20.6006, 38.3581, 6.3181



2.1136, 3.7904, 0.6202

Inverse Universe

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



57.6919, 42.6878, 99.8066



52.4446, 35.3554, 98.6679



66.6034, 47.6068, 85.5447



18.1977, 17.9936, 22.7639



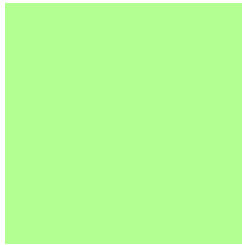
18.6990, 8.5502, 50.0994



1.9343, 0.8911, 4.8833

Previews

White Background



This preview shows how the XYZ color 59.6932, 83.2676, 39.7142 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 59.6932, 83.2676, 39.7142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

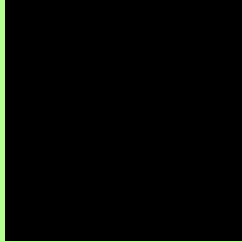
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.6932, 83.2676, 39.7142

Background



This preview shows how black text looks on a background with the XYZ color 59.6932, 83.2676, 39.7142.

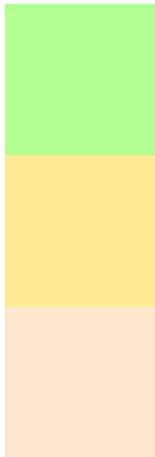


This preview shows how white text looks on a background with the XYZ color 59.6932, 83.2676,

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

59.6932, 83.2676, 39.7142

Protanopia

76.0081, 82.2438, 39.8855

Deuteranopia

80.6774, 82.3099, 70.0278



Tritanopia

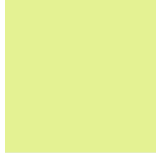
75.2225, 82.9501, 106.6541

Trichromacy



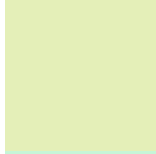
Original Color

59.6932, 83.2676, 39.7142



Protanomaly

69.0135, 82.1048, 39.8142



Deuteranomaly

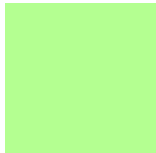
71.5131, 81.6877, 57.3456



Tritanomaly

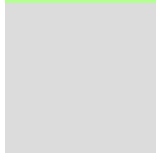
68.2069, 82.2169, 76.5645

Monochromacy



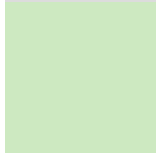
Original Color

59.6932, 83.2676, 39.7142



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

63.9414, 75.1072, 61.5791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.6932, 83.2676, 39.7142 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(180, 255, 145)` looks like.

```
.text, #text, p{  
    color:rgb(180, 255, 145)  
}
```

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(180, 255, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 255, 145) }
```

Border

The CSS property to change the border of an element to XYZ 59.6932, 83.2676, 39.7142 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(180, 255, 145) }
```


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

```
.border{ border-color:rgb(180, 255, 145) }
```

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

Here you see how a box with a 4 pixel rgb(180, 255, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 255, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 255, 145);  
box-shadow:4px 4px 4px 4px rgb(180, 255,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 59.6932, 83.2676, 39.7142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 255, 145) }
```

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

```
.background{ background-color: rgb(180,  
255, 145) }
```

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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