

Converting Colors

XYZ(66.8384, 100.0000,
43.3102)

Have a look what the booklet for
XYZ(66.8384, 100.0000, 43.3102)
contains.

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Color

**XYZ(58.0397, 82.3972,
40.4490)**

Conversions

Conversions Part 1

Format	Color
Hex	ACFF93
RGB	172, 255, 147
RGB Percent	67%, 100%, 58%
CMY	0.3255, 0.0000, 0.4235
CMYK	0.33, 0.00, 0.42, 0.00
HSL	106°, 100%, 79%
HSV	106°, 42%, 100%
XYZ	58.0397, 82.3972, 40.4490
YIQ	217.8710, -14.8000, -51.1840

Conversions

Conversions Part 2

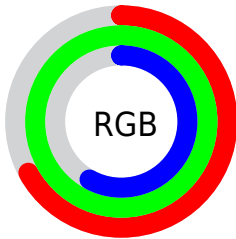
Format	Color
RYB	147, 255, 230
Decimal	11337619
CIELab	92.75, -44.55, 43.73
CIElCh	93, 62.427, 135.538
Yxy	82.3972, 0.3209, 0.4555
Android (android.graphics.Color)	4289527699 (0xFFACFF93)
YUV	217.8710, -34.9394, -40.2289
Hunter-Lab	90.7729, -44.7207, 37.1210

Details

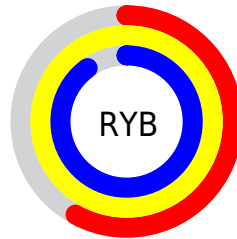
The XYZ color **58.0397, 82.3972, 40.4490** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **61.1181, 44.9118, 100.0553**, and the grayscale version is **66.7918, 70.2702, 76.5243**.

A 20% lighter version of the original color is **79.0538, 92.6073, 69.5855**, and **29.4169, 44.9093, 17.7076** is the 20% darker color. If you saturate the color by 10%, you get **52.2666, 79.6272, 30.8662**, and if you desaturate by 10%, it is **64.8914, 85.6720, 52.3997**.

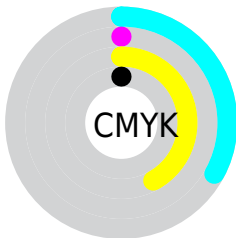
Distribution



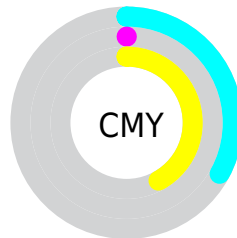
- Red (67%)
- Green (100%)
- Blue (58%)



- Red (58%)
- Yellow (100%)
- Blue (90%)



- Cyan (33%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.0397, 82.3972, 40.4490 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 58.0397, 82.3972, 40.4490 by changing the saturation by 10% instead.


 58.0397, 82.3972,
40.4490


 58.0397, 82.3972,
40.4490


407.2853,
502.9753, 363.6206

 42.0840, 61.6930,
27.5723


 101.1033,
136.7309, 77.0913

 29.3584, 44.7847,
17.7673


 128.9419,
171.1291, 101.6940

 19.4978, 31.2879,
10.6153

161.4721,
210.8608, 131.0425

 12.1366, 20.8181,
5.6979

199.0593,
256.3104, 165.5554

 6.9097, 12.9911,
2.5965

242.0689,
307.8623, 205.6511

 3.4515, 7.4224,
0.8906

290.8662,

 1.3968, 3.7277,

365.9008, 251.7481

0.0000

345.8165,
430.8103, 304.2651

0.2539, 1.5224,
0.0000

0.0000, 0.3044,
0.0000

58.0397, 82.3972,
40.4490

58.0397, 82.3972,
40.4490

52.2666, 79.6272,
30.8662

64.8914, 85.6720,
52.3997

47.5136, 77.3353,
23.4900

72.8735, 89.4752,
66.8575

43.7183, 75.4931,
18.1454

82.0356, 93.8295,
83.9553

40.8099, 74.0686,
14.6287

92.4240, 98.7561,
103.8156

■ 38.7069, 73.0251, 95.0500, 100.0000,
12.6941 108.9000

■ 37.5650, 72.4505,
12.0045

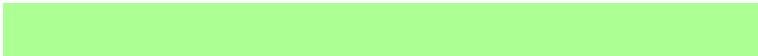
Harmonies

Analogous

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



70.2300, 82.3972, 28.1134



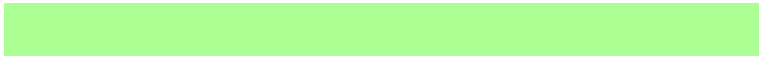
58.0397, 82.3972, 40.4490



51.7571, 82.3972, 69.1459

Triad

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



58.0397, 82.3972, 40.4490



70.7587, 82.3972, 207.4689



112.4957, 82.3972, 67.7895

Complementary

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



58.0397, 82.3972, 40.4490



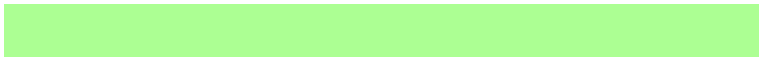
61.1181, 44.9118, 100.0553

Split Complementary

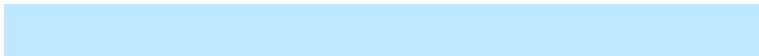
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



112.6893, 82.3972, 114.0090



58.0397, 82.3972, 40.4490



87.0002, 82.3972, 206.7087

Square

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



58.0397, 82.3972, 40.4490



58.3804, 82.3972, 170.0743



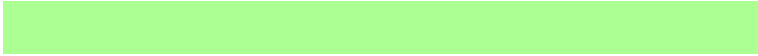
102.8377, 82.3972, 168.2596



102.3407, 82.3972, 39.7539

Rectangle

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



58.0397, 82.3972, 40.4490



51.1183, 82.3972, 98.6447



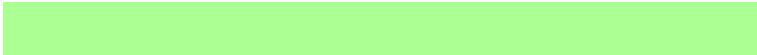
102.8377, 82.3972, 168.2596



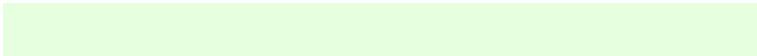
113.7704, 82.3972, 81.3441

Sweetspot

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



58.0401, 82.3974, 40.4503



81.4050, 93.5301, 82.7645



74.7481, 79.8494, 39.0778



16.9727, 19.8049, 16.8657



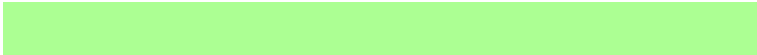
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

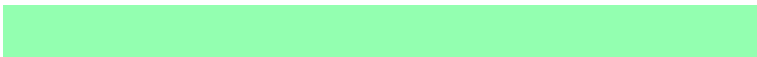
The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.0401, 82.3974, 40.4503



52.9861, 79.9731, 32.0290



55.6101, 80.8501, 53.6464



18.1649, 20.3709, 19.1189



19.7356, 37.9122, 6.2776



2.0124, 3.7382, 0.6155

Inverse Universe

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



61.1181, 44.9118, 100.0553



56.3968, 37.8657, 98.9441



65.4292, 47.6304, 77.8411



18.3574, 18.0760, 22.7714



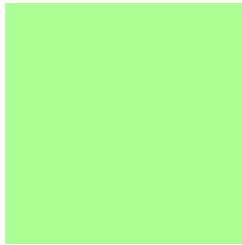
21.4609, 9.9740, 50.2286



2.1846, 1.0201, 4.8950

Previews

White Background



This preview shows how the XYZ color 58.0397, 82.3972, 40.4490 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 58.0397, 82.3972, 40.4490 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

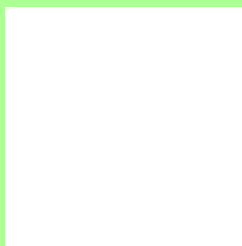
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.0397, 82.3972, 40.4490

Background



This preview shows how black text looks on a background with the XYZ color 58.0397, 82.3972, 40.4490.



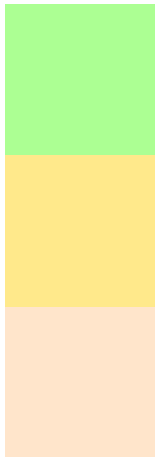
This preview shows how white text looks on a background with the XYZ color 58.0397, 82.3972,

40.4490.

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

58.0397, 82.3972, 40.4490

Protanopia

75.0391, 81.4019, 36.1833

Deuteranopia

80.0388, 81.6104, 68.0338



Tritanopia

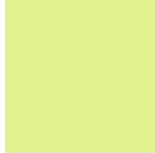
73.5672, 82.0967, 106.5766

Trichromacy



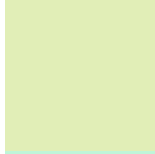
Original Color

58.0397, 82.3972, 40.4490



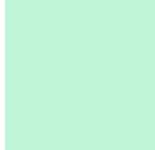
Protanomaly

67.3891, 80.8711, 37.6491



Deuteranomaly

70.1731, 80.5755, 56.6539



Tritanomaly

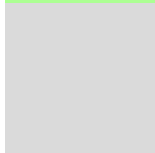
66.5329, 81.3390, 77.1591

Monochromacy



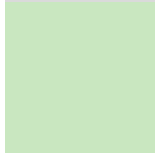
Original Color

58.0397, 82.3972, 40.4490



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

62.1777, 73.3751, 60.7549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.0397, 82.3972, 40.4490 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(172, 255, 147)` looks like.

```
.text, #text, p{  
    color:rgb(172, 255, 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(172, 255, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 147) }
```

Border

The CSS property to change the border of an element to XYZ 58.0397, 82.3972, 40.4490 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(172, 255, 147) }
```


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

```
.border{ border-color:rgb(172, 255, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 255, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 255, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 255, 147);  
box-shadow:4px 4px 4px 4px rgb(172, 255,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 58.0397, 82.3972, 40.4490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 255, 147) }
```

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

```
.background{ background-color: rgb(172,  
255, 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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