

Converting Colors

XYZ(56.4163, 79.8284, 41.2738)

Have a look what the booklet for
XYZ(56.4163, 79.8284, 41.2738)
contains.

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Color

**XYZ(56.3644, 79.6314,
41.2538)**

Conversions

Conversions Part 1

Format	Color
Hex	A9FB96
RGB	169, 251, 150
RGB Percent	66%, 98%, 59%
CMY	0.3373, 0.0157, 0.4118
CMYK	0.33, 0.00, 0.40, 0.02
HSL	109°, 93%, 79%
HSV	109°, 40%, 98%
XYZ	56.3644, 79.6314, 41.2538
YIQ	214.9680, -16.4510, -48.7950

Conversions

Conversions Part 2

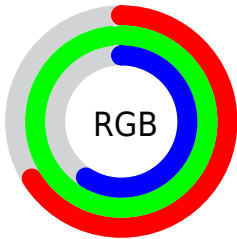
Format	Color
RYB	150, 251, 232
Decimal	11139990
CIELab	91.52, -43.37, 40.66
CIELCh	92, 59.448, 136.850
Yxy	79.6314, 0.3180, 0.4493
Android (android.graphics.Color)	4289330070 (0xFFA9FB96)
YUV	214.9680, -32.0292, -40.3139
Hunter-Lab	89.2364, -43.4178, 35.0559

Details

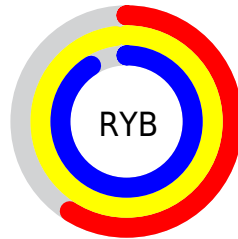
The XYZ color **56.3644, 79.6314, 41.2538** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **61.6012, 45.9359, 96.8908**, and the grayscale version is **64.7894, 68.1635, 74.2301**.

A 20% lighter version of the original color is **78.4580, 92.2587, 71.4301**, and **28.3064, 42.9761, 18.3586** is the 20% darker color. If you saturate the color by 10%, you get **50.5197, 76.8298, 31.5363**, and if you desaturate by 10%, it is **63.3275, 82.9643, 53.2866**.

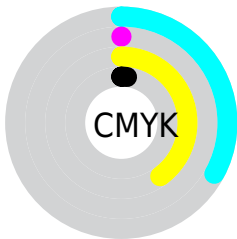
Distribution



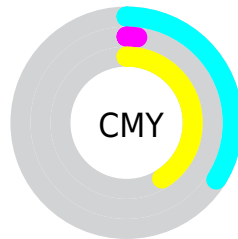
- Red (66%)
- Green (98%)
- Blue (59%)



- Red (59%)
- Yellow (98%)
- Blue (91%)



- Cyan (33%)
- Magenta (0%)
- Yellow (40%)
- Black (2%)





- Cyan (34%)
- Magenta (2%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.3644, 79.6314, 41.2538 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 56.3644, 79.6314, 41.2538 by changing the saturation by 10% instead.


 56.3644, 79.6314,
41.2538


 56.3644, 79.6314,
41.2538


401.1161,
493.6898, 367.0883

 40.7333, 59.4151,
28.1963


 98.6739, 132.8474,
78.3269

 28.2975, 42.9473,
18.2333


 126.0830,
166.6158, 103.1795

 18.6916, 29.8438,
10.9465


158.1488,
205.6704, 132.8009

 11.5504, 19.7201,
5.9171

195.2367,
250.3956, 167.6096

 6.5083, 12.1917,
2.7268

237.7120,
301.1757, 208.0241

 3.2001, 6.8744,
0.9569

285.9401,

 1.2605, 3.3837,

358.3952, 254.4630

0.0000

340.2864,
422.4384, 307.3449

0.1533, 1.3352,
0.0000

0.0000, 0.1682,
0.0000

56.3644, 79.6314,
41.2538

56.3644, 79.6314,
41.2538

50.5197, 76.8298,
31.5363

63.3275, 82.9643,
53.2866

45.7280, 74.5219,
23.9804

71.4578, 86.8436,
67.7648

41.9263, 72.6811,
18.4222

80.8086, 91.2964,
84.8149

39.0418, 71.2741,
14.6722

91.4278, 96.3449,
104.5533

■ 36.9908, 70.2626,
12.5041

■ 93.7888, 97.4776,
108.4796

■ 35.6809, 69.6070,
11.5549

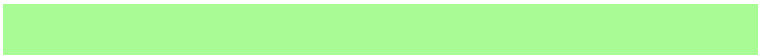
Harmonies

Analogous

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



67.5546, 79.6314, 28.8669



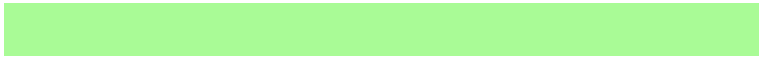
56.3644, 79.6314, 41.2538



50.7201, 79.6314, 69.0789

Triad

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



56.3644, 79.6314, 41.2538



69.2525, 79.6314, 195.9386



107.1252, 79.6314, 64.7037

Complementary

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



56.3644, 79.6314, 41.2538



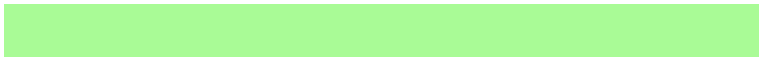
61.6012, 45.9359, 96.8908

Split Complementary

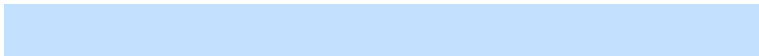
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



107.7399, 79.6314, 107.1002



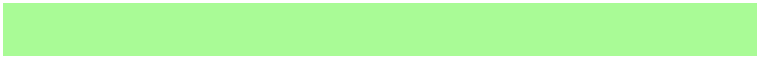
56.3644, 79.6314, 41.2538



84.4478, 79.6314, 193.5479

Square

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



56.3644, 79.6314, 41.2538



57.4640, 79.6314, 162.9104



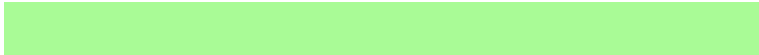
98.9873, 79.6314, 157.1800



97.4055, 79.6314, 38.9760

Rectangle

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



56.3644, 79.6314, 41.2538



50.2957, 79.6314, 97.0395



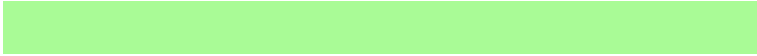
98.9873, 79.6314, 157.1800



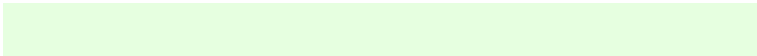
108.4448, 79.6314, 77.1317

Sweetspot

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



56.3664, 79.6348, 41.2556



81.9520, 93.7723, 84.5863



73.8120, 79.7548, 40.3592



17.2606, 19.9376, 17.5908



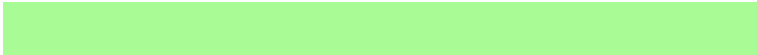
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

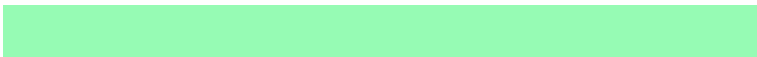
The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.3664, 79.6348, 41.2556



53.6035, 80.2328, 34.7070



55.3462, 78.7896, 55.6331



17.3220, 19.4662, 18.3068



18.8431, 36.6323, 6.0776



1.8243, 3.4336, 0.5666

Inverse Universe

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



61.6012, 45.9359, 96.8908



59.6542, 41.0377, 99.3847



63.7041, 47.5285, 74.0167



17.6542, 17.3499, 21.8037



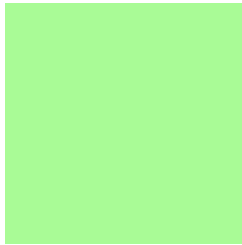
22.3286, 10.4535, 48.8144



2.1478, 1.0093, 4.5248

Previews

White Background



This preview shows how the XYZ color 56.3644, 79.6314, 41.2538 looks on a white background.

Color Contrast Check

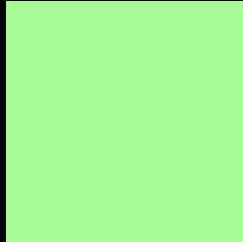
Large Text (above 18pt) WCAG AA × Fail

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 56.3644, 79.6314, 41.2538 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 56.3644, 79.6314, 41.2538

Background



This preview shows how black text looks on a background with the XYZ color 56.3644, 79.6314, 41.2538.



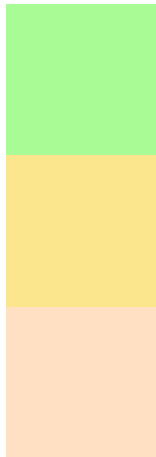
This preview shows how white text looks on a background with the XYZ color 56.3644, 79.6314,

41.2538.

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

56.3644, 79.6314, 41.2538

Protanopia

72.9630, 79.0559, 37.0049

Deuteranopia

77.7460, 78.5114, 62.6863



Tritanopia

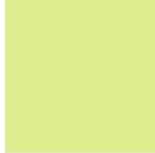
70.3628, 79.5755, 106.2588

Trichromacy



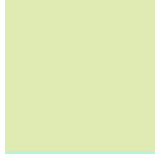
Original Color

56.3644, 79.6314, 41.2538



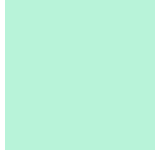
Protanomaly

65.5042, 78.5656, 38.5003



Deuteranomaly

68.3000, 77.9476, 54.0934



Tritanomaly

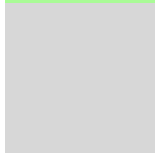
64.3421, 79.3013, 77.5611

Monochromacy



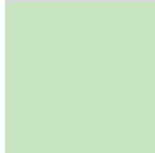
Original Color

56.3644, 79.6314, 41.2538



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

60.4361, 71.2542, 59.8583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.3644, 79.6314, 41.2538 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(169, 251, 150)` looks like.

```
.text, #text, p{  
    color:rgb(169, 251, 150)  
}
```

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(169, 251, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 251, 150) }
```

Border

The CSS property to change the border of an element to XYZ 56.3644, 79.6314, 41.2538 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(169, 251, 150) }
```


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

```
.border{ border-color:rgb(169, 251, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 251, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 251, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 251, 150);  
box-shadow:4px 4px 4px 4px rgb(169, 251,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 56.3644, 79.6314, 41.2538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 251, 150) }
```

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

```
.background{ background-color: rgb(169,  
251, 150) }
```

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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