

Converting Colors

XYZ(56.6279, 79.7132, 34.6882)

Have a look what the booklet for
XYZ(56.6279, 79.7132, 34.6882)
contains.

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Color

**XYZ(56.6353, 79.9179,
34.6310)**

Conversions

Conversions Part 1

Format	Color
Hex	B0FB85
RGB	176, 251, 133
RGB Percent	69%, 98%, 52%
CMY	0.3098, 0.0157, 0.4784
CMYK	0.30, 0.00, 0.47, 0.02
HSL	98°, 94%, 75%
HSV	98°, 47%, 98%
XYZ	56.6353, 79.9179, 34.6310
YIQ	215.1230, -6.8220, -52.5980

Conversions

Conversions Part 2

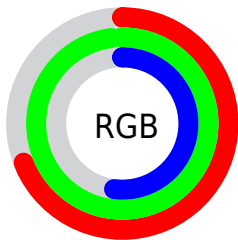
Format	Color
RYB	133, 251, 208
Decimal	11598725
CIELab	91.65, -43.25, 49.08
CIElCh	92, 65.420, 131.390
Yxy	79.9179, 0.3308, 0.4669
Android (android.graphics.Color)	4289788805 (0xFFB0FB85)
YUV	215.1230, -40.4866, -34.3109
Hunter-Lab	89.3968, -43.3598, 39.6097

Details

The XYZ color **56.6353, 79.9179, 34.6310** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **51.8161, 37.1524, 95.7113**, and the grayscale version is **64.9455, 68.3277, 74.4088**.

A 20% lighter version of the original color is **78.7688, 92.6433, 61.3073**, and **28.4855, 43.1558, 14.4180** is the 20% darker color. If you saturate the color by 10%, you get **51.7068, 77.5566, 26.4049**, and if you desaturate by 10%, it is **62.4061, 82.6704, 45.0624**.

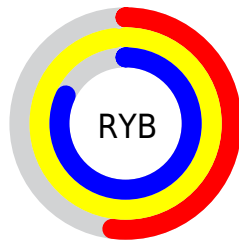
Distribution



Red (69%)

Green (98%)

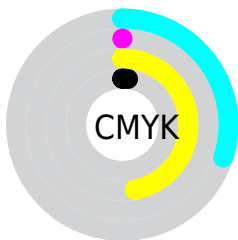
Blue (52%)



Red (52%)

Yellow (98%)

Blue (82%)

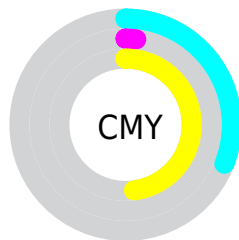


Cyan (30%)

Magenta (0%)

Yellow (47%)

Black (2%)



Cyan (31%)


Magenta (2%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.6353, 79.9179, 34.6310 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 56.6353, 79.9179, 34.6310 by changing the saturation by 10% instead.

 56.6353, 79.9179,
34.6310

 56.6353, 79.9179,
34.6310


402.1176,
494.6561, 337.7912


 40.9515, 59.6508,
23.0975


 99.0673, 133.2503,
68.0588

 28.4687, 43.1372,
14.4595


 126.5462,
167.0844, 90.7902

 18.8215, 29.9928,
8.2986


 158.6875,
206.2096, 118.0913

 11.6446, 19.8331,
4.1961

195.8566,
251.0103, 150.3806

 6.5727, 12.2738,
1.7335

238.4188,
301.8709, 188.0767

 3.2402, 6.9304,
0.3836

286.7394,

 1.2820, 3.4186,

359.1758, 231.5982

0.0000

341.1839,
423.3094, 281.3635

■ 0.1697, 1.3540,
0.0000

■ 0.0000, 0.1824,
0.0000

■ 56.6353, 79.9179,
34.6310

■ 56.6353, 79.9179,
34.6310

■ 51.7068, 77.5566,
26.4049

■ 62.4061, 82.6704,
45.0624

■ 47.5701, 75.5567,
20.2203

■ 69.0543, 85.8218,
57.8370

■ 44.1777, 73.8999,
15.8990

■ 76.6198, 89.3923,
73.0875

■ 41.4731, 72.5620,
13.2297

■ 85.1383, 93.3975,
90.9350

■ 39.3878, 71.5133,
11.9429

■ 93.7888, 97.4777,
108.4796

■ 38.8587, 71.2453,
11.7037

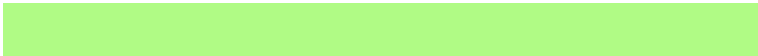
Harmonies

Analogous

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



69.7895, 79.9179, 24.3930



56.6353, 79.9179, 34.6310



49.3980, 79.9179, 60.8324

Triad

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



56.6353, 79.9179, 34.6310



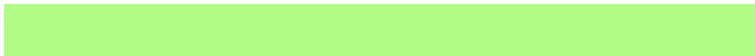
66.1610, 79.9179, 206.5939



112.0093, 79.9179, 70.0807

Complementary

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



56.6353, 79.9179, 34.6310



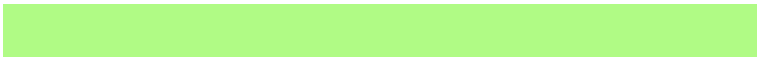
51.8161, 37.1524, 95.7113

Split Complementary

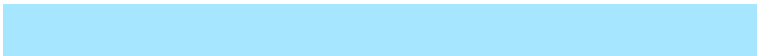
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



110.6582, 79.9179, 119.8075



56.6353, 79.9179, 34.6310



82.4830, 79.9179, 211.9769

Square

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



56.6353, 79.9179, 34.6310



54.3155, 79.9179, 163.1354



99.2444, 79.9179, 175.9118



102.7028, 79.9179, 39.2556

Rectangle

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



56.6353, 79.9179, 34.6310



48.1548, 79.9179, 89.2686



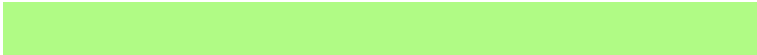
99.2444, 79.9179, 175.9118



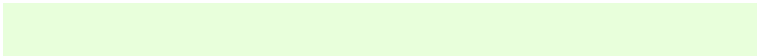
112.8188, 79.9179, 84.8036

Sweetspot

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



56.6373, 79.9214, 34.6327



81.9646, 93.8577, 81.0214



66.5114, 67.1878, 31.6545



17.1500, 19.9040, 16.5260



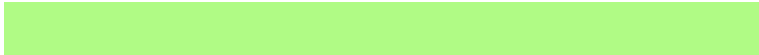
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



56.6373, 79.9214, 34.6327



54.0537, 80.6116, 28.0984



49.5760, 76.1460, 40.4085



17.6145, 19.6170, 18.3205



20.5702, 37.5226, 6.1584



2.0170, 3.5329, 0.5756

Inverse Universe

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



51.8161, 37.1524, 95.7113



48.4859, 31.5444, 98.1409



63.2082, 43.3000, 83.8295



17.3439, 17.1899, 21.7892



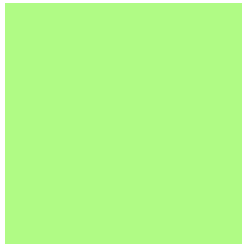
16.8905, 7.6501, 48.5599



1.6806, 0.7685, 4.5029

Previews

White Background



This preview shows how the XYZ color 56.6353, 79.9179, 34.6310 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 56.6353, 79.9179, 34.6310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

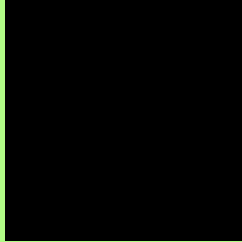
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

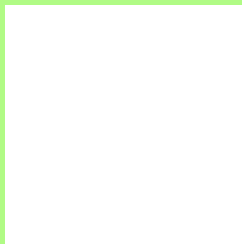
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.6353, 79.9179, 34.6310

Background



This preview shows how black text looks on a background with the XYZ color 56.6353, 79.9179, 34.6310.

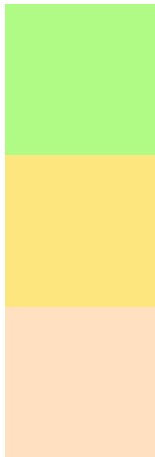


This preview shows how white text looks on a background with the XYZ color 56.6353, 79.9179,

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

56.6353, 79.9179, 34.6310

Protanopia

72.5707, 78.9826, 31.1589

Deuteranopia

77.7909, 78.9607, 61.5930



Tritanopia

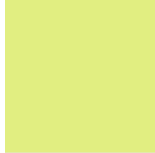
71.3601, 79.6587, 106.2223

Trichromacy



Original Color

56.6353, 79.9179, 34.6310



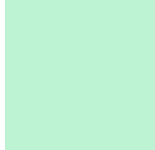
Protanomaly

65.5883, 78.7416, 32.5107



Deuteranomaly

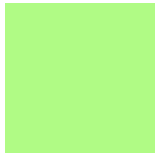
68.1375, 77.9547, 49.9836



Tritanomaly

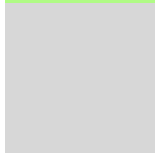
64.4963, 79.0262, 73.4823

Monochromacy



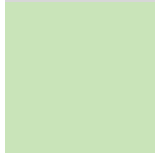
Original Color

56.6353, 79.9179, 34.6310



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

60.5878, 71.4071, 56.4886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.6353, 79.9179, 34.6310 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(176, 251, 133)` looks like.

```
.text, #text, p{  
    color:rgb(176, 251, 133)  
}
```

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(176, 251, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 251, 133) }
```

Border

The CSS property to change the border of an element to XYZ 56.6353, 79.9179, 34.6310 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(176, 251, 133) }
```


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

```
.border{ border-color:rgb(176, 251, 133) }
```

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

Here you see how a box with a 4 pixel rgb(176, 251, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 251, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 251, 133);  
box-shadow:4px 4px 4px 4px rgb(176, 251,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 56.6353, 79.9179, 34.6310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 251, 133) }
```

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

```
.background{ background-color: rgb(176,  
251, 133) }
```

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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