

Converting Colors

XYZ(63.6217, 100.0000,
56.7153)

Have a look what the booklet for
XYZ(63.6217, 100.0000, 56.7153)
contains.

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Color

**XYZ(53.4895, 79.7660,
53.1346)**

Conversions

Conversions Part 1

Format	Color
Hex	87FFAF
RGB	135, 255, 175
RGB Percent	53%, 100%, 69%
CMY	0.4706, 0.0000, 0.3137
CMYK	0.47, 0.00, 0.31, 0.00
HSL	140°, 100%, 76%
HSV	140°, 47%, 100%
XYZ	53.4895, 79.7660, 53.1346
YIQ	210.0000, -45.8400, -50.3200

Conversions

Conversions Part 2

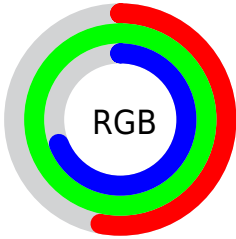
Format	Color
RYB	135, 225, 255
Decimal	8912815
CIELab	91.58, -50.90, 28.02
CIElCh	92, 58.103, 151.165
Yxy	79.7660, 0.2870, 0.4280
Android (android.graphics.Color)	4287102895 (0xFF87FFAF)
YUV	210.0000, -17.2550, -65.7750
Hunter-Lab	89.3118, -49.3907, 27.2447

Details

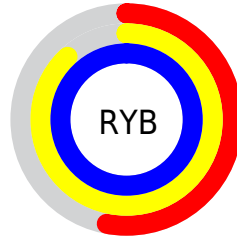
The XYZ color **53.4895, 79.7660, 53.1346** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **62.1699, 43.4948, 69.4083**, and the grayscale version is **61.3897, 64.5867, 70.3349**.

A 20% lighter version of the original color is **72.4319, 88.7589, 88.9159**, and **26.3808, 42.8335, 25.2896** is the 20% darker color. If you saturate the color by 10%, you get **48.3004, 77.2719, 44.7182**, and if you desaturate by 10%, it is **59.8724, 82.8513, 62.7067**.

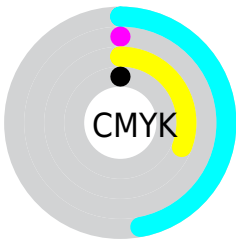
Distribution



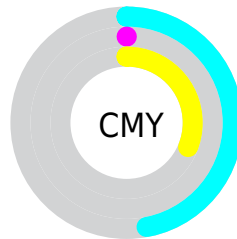
- Red (53%)
- Green (100%)
- Blue (69%)



- Red (53%)
- Yellow (88%)
- Blue (100%)



- Cyan (47%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (47%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.4895, 79.7660, 53.1346 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 53.4895, 79.7660, 53.1346 by changing the saturation by 10% instead.


 53.4895, 79.7660,
53.1346


 53.4895, 79.7660,
53.1346


390.3905,
494.1439, 415.8822


 38.4227, 59.5258,
37.5218


 94.4856, 133.0367,
96.2460

 26.4896, 43.0365,
25.3128


 121.1456,
166.8360, 124.5816

 17.3249, 29.9138,
16.0891

 152.4007,
205.9238, 157.9952

 10.5631, 19.7732,
9.4322

188.6163,
250.6844, 196.9053

 5.8390, 12.2303,
4.9235

230.1577,
301.5024, 241.7306

 2.7872, 6.9007,
2.1445

277.3903,

 1.0422, 3.4001,

358.7620, 292.8895

0.6421

330.6795,
422.8477, 350.8005

0.0000, 1.3440,
0.0000

0.0000, 0.1749,
0.0000

53.4895, 79.7660,
53.1346

53.4895, 79.7660,
53.1346

48.3004, 77.2719,
44.7182

59.8724, 82.8513,
62.7067

44.2243, 75.3281,
37.4094

67.5190, 86.5629,
73.4725

41.1725, 73.8900,
31.1620

76.4957, 90.9342,
85.4730

39.0413, 72.9050,
25.9252

86.8636, 95.9960,
98.7461

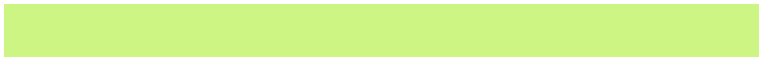
■ 37.6995, 72.3067, 95.0500, 100.0000,
21.6433 108.9000

■ 37.3998, 72.1759,
20.5550

Harmonies

Analogous

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



62.0024, 79.7660, 34.0586



53.4895, 79.7660, 53.1346



50.7421, 79.7660, 88.5215

Triad

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



53.4895, 79.7660, 53.1346



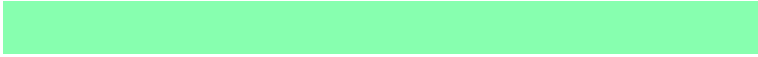
76.3960, 79.7660, 196.6806



102.9098, 79.7660, 51.0903

Complementary

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



53.4895, 79.7660, 53.1346



62.1699, 43.4948, 69.4083

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.



108.0274, 79.7660, 85.2029



53.4895, 79.7660, 53.1346



91.5407, 79.7660, 177.0860

Square

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



53.4895, 79.7660, 53.1346



62.8841, 79.7660, 179.7674



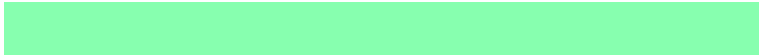
103.6217, 79.7660, 132.4631



90.4076, 79.7660, 33.1774

Rectangle

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



53.4895, 79.7660, 53.1346



52.2227, 79.7660, 119.7795



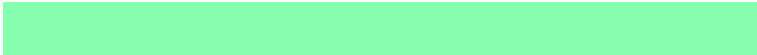
103.6217, 79.7660, 132.4631



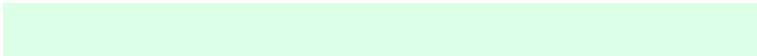
105.6187, 79.7660, 60.5898

Sweetspot

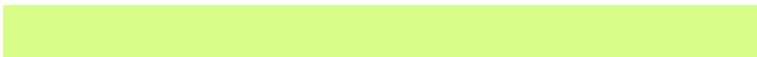
The Sweet Spot groups the original color and five complimentary colors.



53.4901, 79.7663, 53.1359



79.5159, 92.4075, 89.3952



68.1578, 87.7165, 36.2611



16.5607, 19.5551, 18.5393



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.



53.4901, 79.7663, 53.1359



48.7954, 77.5090, 45.5556



60.7474, 82.6692, 91.3525



18.0213, 20.2680, 20.4151



19.6037, 37.7381, 11.0645



1.9570, 3.6937, 1.3315

Inverse Universe

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



62.1699, 43.4948, 69.4083



58.3676, 37.4170, 63.4332



55.8208, 40.9551, 35.9741



18.5201, 18.1914, 21.3562



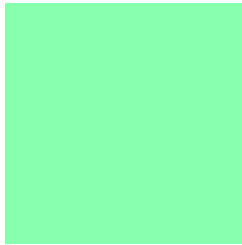
25.4121, 12.6541, 21.3524



2.5250, 1.2524, 2.3463

Previews

White Background



This preview shows how the XYZ color 53.4895, 79.7660, 53.1346 looks on a white background.

Color Contrast Check

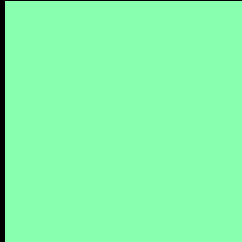
Large Text (above 18pt) WCAG AA × Fail

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 53.4895, 79.7660, 53.1346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

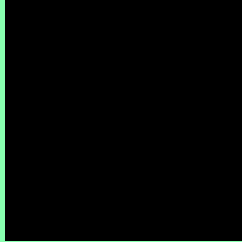
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

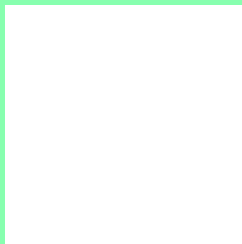
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.4895, 79.7660, 53.1346

Background



This preview shows how black text looks on a background with the XYZ color 53.4895, 79.7660, 53.1346.



This preview shows how white text looks on a background with the XYZ color 53.4895, 79.7660,

53.1346.

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

53.4895, 79.7660, 53.1346

Protanopia

73.0779, 78.4931, 46.4210

Deuteranopia

78.0530, 78.2055, 65.6249



Tritanopia

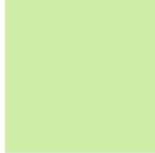
67.8005, 79.1239, 106.3067

Trichromacy



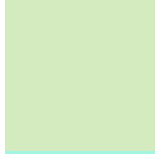
Original Color

53.4895, 79.7660, 53.1346



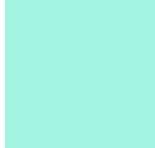
Protanomaly

63.0960, 77.0980, 48.6017



Deuteranomaly

65.9763, 77.0271, 60.6806



Tritanomaly

61.4841, 78.5823, 83.8789

Monochromacy



Original Color

53.4895, 79.7660, 53.1346



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

56.8028, 68.4912, 63.0496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.4895, 79.7660, 53.1346 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(135, 255, 175)` looks like.

```
.text, #text, p{  
    color:rgb(135, 255, 175)  
}
```

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(135, 255, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 255, 175) }
```

Border

The CSS property to change the border of an element to XYZ 53.4895, 79.7660, 53.1346 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(135, 255, 175) }
```


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

```
.border{ border-color:rgb(135, 255, 175) }
```

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

Here you see how a box with a 4 pixel rgb(135, 255, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 255, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 255, 175);  
box-shadow:4px 4px 4px 4px rgb(135, 255,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 53.4895, 79.7660, 53.1346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 255, 175) }
```

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

```
.background{ background-color: rgb(135,  
255, 175) }
```

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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