

Converting Colors

XYZ(83.6559, 95.3839, 51.5385)

Have a look what the booklet for
XYZ(83.6559, 95.3839, 51.5385)
contains.

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Color

**XYZ(83.7945, 95.4554,
51.5444)**

Conversions

Conversions Part 1

Format	Color
Hex	FEFFA9
RGB	254, 255, 169
RGB Percent	100%, 100%, 66%
CMY	0.0039, 0.0000, 0.3372
CMYK	0.00, 0.00, 0.34, 0.00
HSL	61°, 100%, 83%
HSV	61°, 34%, 100%
XYZ	83.7945, 95.4554, 51.5444
YIQ	244.8970, 27.0100, -26.9580

Conversions

Conversions Part 2

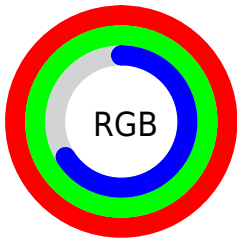
Format	Color
R_{YB}	169, 255, 170
Decimal	16711593
CIE Lab	98.22, -12.87, 41.05
CIE LCh	98, 43.022, 107.412
Yxy	95.4554, 0.3631, 0.4136
Android (android.graphics.Color)	4294901673 (0xFFFEFFA9)
YUV	244.8970, -37.4172, 7.9833
Hunter-Lab	97.7013, -17.8849, 37.1112

Details

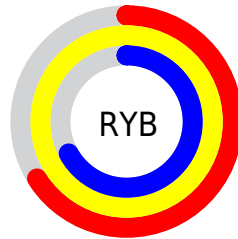
The XYZ color **83.7945, 95.4554, 51.5444** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **48.8165, 44.1432, 100.5553**, and the grayscale version is **86.9834, 91.5133, 99.6580**.

A 20% lighter version of the original color is **90.5906, 98.2162, 85.4172**, and **46.1114, 53.3849, 24.3970** is the 20% darker color. If you saturate the color by 10%, you get **81.5208, 94.5334, 40.1368**, and if you desaturate by 10%, it is **86.5359, 96.5645, 65.4133**.

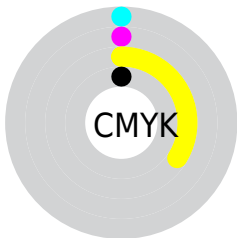
Distribution



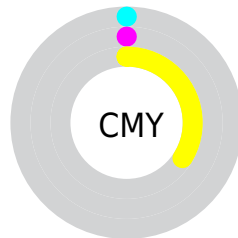
- Red (100%)
- Green (100%)
- Blue (66%)



- Red (66%)
- Yellow (100%)
- Blue (67%)



- Cyan (0%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.7945, 95.4554, 51.5444 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 83.7945, 95.4554, 51.5444 by changing the saturation by 10% instead.


 83.7945, 95.4554,
51.5444

 83.7945, 95.4554,
51.5444


496.1745,
545.6219, 409.5820

 63.1649, 72.5141,
36.2623


 137.6104,
154.8936, 93.8787

 46.2338, 53.5787,
24.3456


171.5275,
192.1593, 121.7680

 32.6358, 38.2650,
15.3756


210.6044,
234.9685, 154.6968

 22.0055, 26.1884,
8.9339

255.2066,
283.7057, 193.0836

 13.9775, 16.9646,
4.6018

305.6993,
338.7552, 237.3470

 8.1866, 10.2093,
1.9610

362.4480,

 4.2674, 5.5379,

400.5015, 287.9055

0.5311

425.8179,
469.3289, 345.1777

■ 1.8545, 2.5662,
0.0000

■ 0.5502, 0.9097,
0.0000

■ 83.7945, 95.4554,
51.5444

■ 83.7945, 95.4554,
51.5444

■ 81.5208, 94.5334,
40.1368

■ 86.5359, 96.5645,
65.4133

■ 79.6866, 93.7872,
31.0432

■ 89.7691, 97.8704,
81.8715

■ 78.2622, 93.2050,
24.1063

■ 93.5177, 99.3824,
101.0429

■ 77.2136, 92.7731,
19.1480

95.0500, 100.0000,
108.9000

■ 76.5018, 92.4759,
15.9617

■ 76.0787, 92.2942,
14.2951

■ 75.9177, 92.2220,
13.7993

Harmonies

Analogous

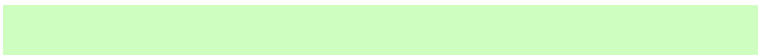
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.0107, 95.4554, 50.6203



83.7945, 95.4554, 51.5444



74.3183, 95.4554, 64.3160

Triad

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



83.7945, 95.4554, 51.5444



75.5645, 95.4554, 162.5861



115.9772, 95.4554, 119.4989

Complementary

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



83.7945, 95.4554, 51.5444



48.8165, 44.1432, 100.5553

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.



109.3900, 95.4554, 157.1840



83.7945, 95.4554, 51.5444



85.6418, 95.4554, 185.5994

Square

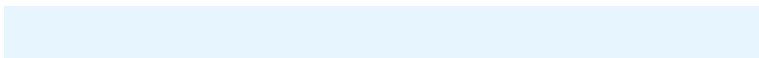
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.7945, 95.4554, 51.5444



69.8718, 95.4554, 125.6803



98.0327, 95.4554, 183.4239



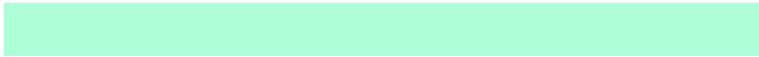
115.3680, 95.4554, 84.8543

Rectangle

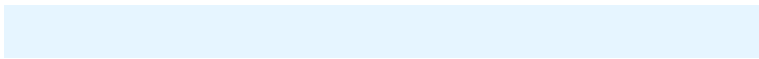
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.7945, 95.4554, 51.5444



70.4909, 95.4554, 79.9039



98.0327, 95.4554, 183.4239



114.5078, 95.4554, 132.3568

Sweetspot

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



83.7948, 95.4555, 51.5457



91.1038, 98.4089, 88.6884



62.5901, 52.5016, 44.3724



19.3903, 21.0193, 18.4228



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

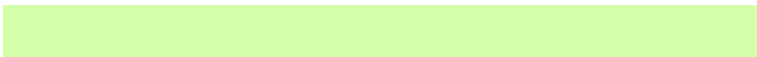
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7948, 95.4555, 51.5457



82.3148, 94.8557, 44.1075



70.0734, 88.3819, 50.9036



19.5391, 21.0794, 19.1832



39.6782, 48.1930, 7.2109



3.8698, 4.6957, 0.7024

Inverse Universe

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



48.8165, 44.1432, 100.5553



42.8031, 36.8907, 99.4724



59.3902, 49.5941, 101.0502



17.0226, 17.3878, 22.7090



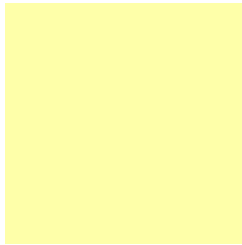
9.4593, 3.7870, 49.6670



0.9276, 0.3721, 4.8362

Previews

White Background



This preview shows how the XYZ color 83.7945, 95.4554, 51.5444 looks on a white background.

Color Contrast Check

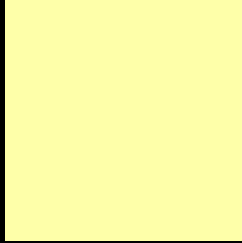
Large Text (above 18pt) WCAG AA × Fail

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 83.7945, 95.4554, 51.5444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

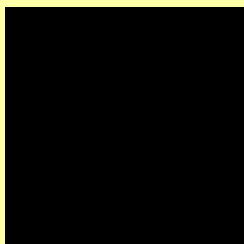
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

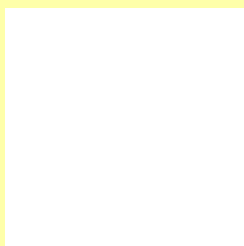
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.7945, 95.4554, 51.5444

Background



This preview shows how black text looks on a background with the XYZ color 83.7945, 95.4554, 51.5444.



This preview shows how white text looks on a background with the XYZ color 83.7945, 95.4554,

Color Blindness Simulation

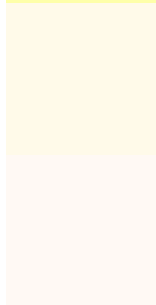
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

83.7945, 95.4554, 51.5444



Protanopia

90.1336, 95.5144, 90.7764

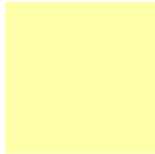
Deuteranopia

91.4448, 95.5430, 99.2099

Tritanopia

92.6968, 95.5506, 107.3234

Trichromacy



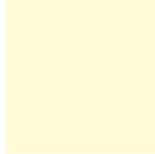
Original Color

83.7945, 95.4554, 51.5444



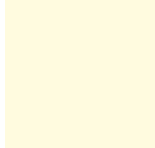
Protanomaly

87.6833, 95.5340, 74.7913



Deuteranomaly

88.2616, 95.2641, 79.3816



Tritanomaly

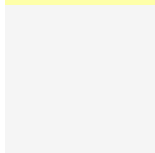
89.0565, 95.5821, 83.5674

Monochromacy



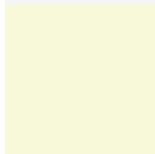
Original Color

83.7945, 95.4554, 51.5444



Achromatopsia

86.7900, 91.3099, 99.4364



Achromatomaly

85.1115, 92.7176, 79.0561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.7945, 95.4554, 51.5444 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(254, 255, 169)` looks like.

```
.text, #text, p{  
    color:rgb(254, 255, 169)  
}
```

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(254, 255, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 255, 169) }
```

Border

The CSS property to change the border of an element to XYZ 83.7945, 95.4554, 51.5444 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(254, 255, 169) }
```


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

```
.border{ border-color:rgb(254, 255, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 255, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 255, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 255, 169);  
box-shadow:4px 4px 4px 4px rgb(254, 255,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 83.7945, 95.4554, 51.5444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 255, 169) }
```

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

```
.background{ background-color: rgb(254,  
255, 169) }
```

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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