

Converting Colors

XYZ(97.6853, 122.6823,
57.3060)

Have a look what the booklet for
XYZ(97.6853, 122.6823, 57.3060)
contains.

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Color

**XYZ(83.9837, 95.5311,
52.5410)**

Conversions

Conversions Part 1

Format	Color
Hex	FEFFAB
RGB	254, 255, 171
RGB Percent	100%, 100%, 67%
CMY	0.0039, 0.0000, 0.3294
CMYK	0.00, 0.00, 0.33, 0.00
HSL	61°, 100%, 84%
HSV	61°, 33%, 100%
XYZ	83.9837, 95.5311, 52.5410
YIQ	245.1250, 26.3680, -26.3360

Conversions

Conversions Part 2

Format	Color
RYB	171, 255, 172
Decimal	16711595
CIELab	98.25, -12.64, 40.10
CIELCh	98, 42.050, 107.498
Yxy	95.5311, 0.3619, 0.4117
Android (android.graphics.Color)	4294901675 (0xFFFEFFAB)
YUV	245.1250, -36.5436, 7.7834
Hunter-Lab	97.7400, -17.6678, 36.5461

Details

The XYZ color **83.9837, 95.5311, 52.5410** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **49.6272, 45.1177, 100.7007**, and the grayscale version is **87.1606, 91.6998, 99.8611**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **46.2290, 53.4319, 25.0164** is the 20% darker color. If you saturate the color by 10%, you get **81.6717, 94.5935, 40.9455**, and if you desaturate by 10%, it is **86.7654, 96.6566, 66.6086**.

Distribution



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



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.9837, 95.5311, 52.5410 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 83.9837, 95.5311, 52.5410 by changing the saturation by 10% instead.


 83.9837, 95.5311,
52.5410

 83.9837, 95.5311,
52.5410


496.7936,
545.8638, 413.5379

 63.3216, 72.5771,
37.0513


 137.8738,
154.9981, 95.3633

 46.3611, 53.6302,
24.9511


171.8325,
192.2799, 123.5330

 32.7367, 38.3061,
15.8219


210.9541,
235.1065, 156.7663

 22.0831, 26.2204,
9.2452

255.6040,
283.8621, 195.4819

 14.0349, 16.9886,
4.8025

306.1476,
338.9313, 240.0984

 8.2268, 10.2263,
2.0751

362.9501,

 4.2934, 5.5493,

400.6984, 291.0341

0.6009

426.3770,
469.5478, 348.7078

■ 1.8694, 2.5730,
0.0000

■ 0.5590, 0.9131,
0.0000

■ 83.9837, 95.5311,
52.5410

■ 83.9837, 95.5311,
52.5410

■ 81.6717, 94.5935,
40.9455

■ 86.7654, 96.6566,
66.6086

■ 79.8015, 93.8326,
31.6756

■ 90.0408, 97.9796,
83.2754

■ 78.3435, 93.2366,
24.5756

■ 93.8334, 99.5095,
102.6646

■ 77.2643, 92.7922,
19.4691

95.0500, 100.0000,
108.9000

■ 76.5251, 92.4837,
16.1520

■ 76.0788, 92.2925,
14.3768

■ 75.8919, 92.2088,
13.7981

Harmonies

Analogous

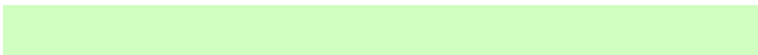
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.9284, 95.5311, 51.5935



83.9837, 95.5311, 52.5410



74.7075, 95.5311, 65.1894

Triad

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



83.9837, 95.5311, 52.5410



75.9735, 95.5311, 161.2655



115.4541, 95.5311, 119.1145

Complementary

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



83.9837, 95.5311, 52.5410



49.6272, 45.1177, 100.7007

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.



109.0506, 95.5311, 155.8275



83.9837, 95.5311, 52.5410



85.8567, 95.5311, 183.5501

Square

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



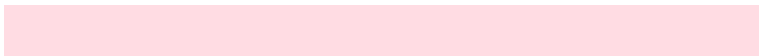
83.9837, 95.5311, 52.5410



70.3729, 95.5311, 125.3599



97.9743, 95.5311, 181.3642



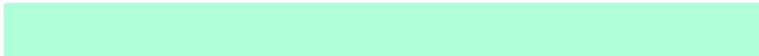
114.8393, 95.5311, 85.2456

Rectangle

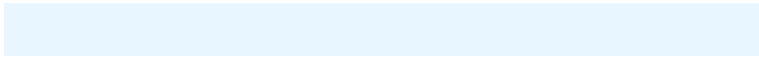
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.9837, 95.5311, 52.5410



70.9606, 95.5311, 80.5483



97.9743, 95.5311, 181.3642



114.0289, 95.5311, 131.6519

Sweetspot

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



83.9840, 95.5312, 52.5423



91.1012, 98.4076, 88.6883



63.1543, 53.3272, 45.4939



19.3897, 21.0190, 18.4228



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

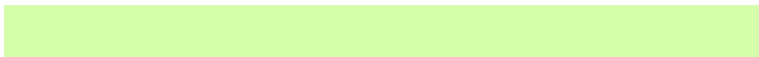
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9840, 95.5312, 52.5423



82.3044, 94.8503, 44.1070



70.5519, 88.6067, 51.9137



19.5386, 21.0791, 19.1832



39.6650, 48.1861, 7.2103



3.8687, 4.6951, 0.7023

Inverse Universe

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



49.6272, 45.1177, 100.7007



42.8085, 36.8935, 99.4727



60.0543, 50.4931, 101.1887



17.0230, 17.3881, 22.7090



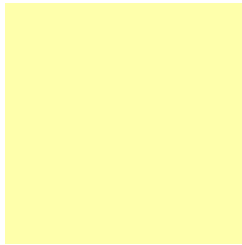
9.4600, 3.7873, 49.6670



0.9278, 0.3722, 4.8362

Previews

White Background



This preview shows how the XYZ color 83.9837, 95.5311, 52.5410 looks on a white background.

Color Contrast Check

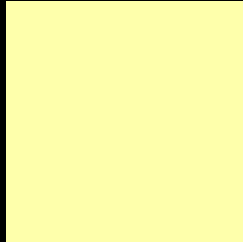
Large Text (above 18pt) WCAG AA × Fail

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 83.9837, 95.5311, 52.5410 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 83.9837, 95.5311, 52.5410

Background



This preview shows how black text looks on a background with the XYZ color 83.9837, 95.5311, 52.5410.

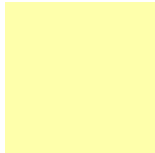


This preview shows how white text looks on a background with the XYZ color 83.9837, 95.5311,

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

83.9837, 95.5311, 52.5410

Protanopia

90.2769, 95.5717, 91.5310

Deuteranopia

91.4448, 95.5430, 99.2099

Tritanopia

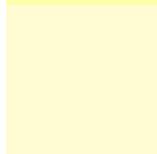
92.6968, 95.5506, 107.3234

Trichromacy



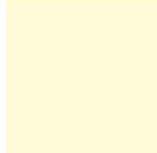
Original Color

83.9837, 95.5311, 52.5410



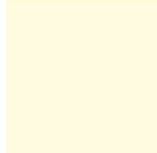
Protanomaly

87.8083, 95.5840, 75.4496



Deuteranomaly

88.2616, 95.2641, 79.3816



Tritanomaly

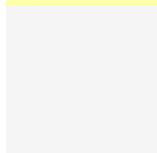
89.1917, 95.6362, 84.2797

Monochromacy



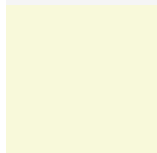
Original Color

83.9837, 95.5311, 52.5410



Achromatopsia

86.7900, 91.3099, 99.4364



Achromatomaly

85.2420, 92.7698, 79.7433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.9837, 95.5311, 52.5410 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(254, 255, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 255, 171) }
```

Border

The CSS property to change the border of an element to XYZ 83.9837, 95.5311, 52.5410 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, 171) }
```


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

```
.border{ border-color:rgb(254, 255, 171) }
```

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, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 255, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 255, 171);  
box-shadow:4px 4px 4px 4px rgb(254, 255,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 83.9837, 95.5311, 52.5410 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, 171) }
```

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

```
.background{ background-color: rgb(254,  
255, 171) }
```

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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