

Converting Colors

XYZ(121.1087, 167.8262,
72.4746)

Have a look what the booklet for
XYZ(121.1087, 167.8262, 72.4746)
contains.

XYZ(85.1309, 95.9478, 60.4873)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(85.1309, 95.9478,
60.4873)**

Conversions

Conversions Part 1

Format	Color
Hex	FDFFB8
RGB	253, 255, 186
RGB Percent	99%, 100%, 73%
CMY	0.0078, 0.0000, 0.2706
CMYK	0.01, 0.00, 0.27, 0.00
HSL	62°, 100%, 86%
HSV	62°, 27%, 100%
XYZ	85.1309, 95.9478, 60.4873
YIQ	246.5360, 20.9570, -21.8830

Conversions

Conversions Part 2

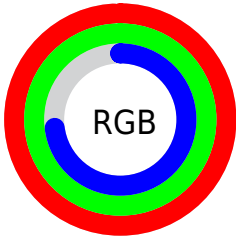
Format	Color
R_{YB}	186, 255, 188
Decimal	16646074
CIE _{Lab}	98.41, -11.18, 32.85
CIE _{LCh}	98, 34.701, 108.801
Yxy	95.9478, 0.3524, 0.3972
Android (android.graphics.Color)	4294836154 (0xFFFDFFBA)
YUV	246.5360, -29.8442, 5.6689
Hunter-Lab	97.9529, -16.2833, 31.9547

Details

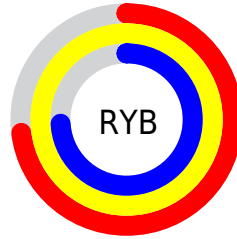
The XYZ color **85.1309, 95.9478, 60.4873** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **56.3490, 53.0305, 101.8737**, and the grayscale version is **88.2529, 92.8490, 101.1125**.

A 20% lighter version of the original color is **93.1777, 99.2511, 99.0404**, and **47.1239, 53.7899, 29.7286** is the 20% darker color. If you saturate the color by 10%, you get **82.3888, 94.8199, 47.4483**, and if you desaturate by 10%, it is **88.3587, 97.2701, 76.0768**.

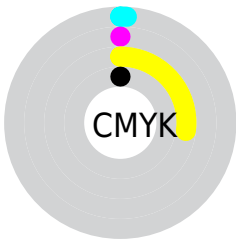
Distribution



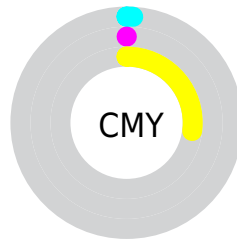
- Red (99%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (74%)



- Cyan (1%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (1%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.1309, 95.9478, 60.4873 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 85.1309, 95.9478, 60.4873 by changing the saturation by 10% instead.


 85.1309, 95.9478,
60.4873

 85.1309, 95.9478,
60.4873


500.5383,
547.1948, 444.2460

 64.2724, 72.9241,
43.3837


 139.4691,
155.5734, 107.0865

 47.1338, 53.9139,
29.8526


173.6796,
192.9440, 137.4192

 33.3499, 38.5328,
19.4757


213.0714,
235.8658, 172.9986

 22.5551, 26.3965,
11.8342

258.0099,
284.7230, 214.2433

 14.3842, 17.1205,
6.5097

308.8605,
339.9001, 261.5719

 8.4719, 10.3204,
3.0837

365.9885,

 4.4527, 5.6119,

401.7816, 315.4028

1.1375

429.7593,
470.7517, 376.1547

■ 1.9613, 2.6106,
0.0000

■ 0.6121, 0.9320,
0.0000

■ 85.1309, 95.9478,
60.4873

■ 85.1309, 95.9478,
60.4873

■ 82.3888, 94.8199,
47.4483

■ 88.3587, 97.2701,
76.0768

■ 80.1054, 93.8757,
36.8204

■ 92.0948, 98.7958,
94.3382

■ 78.2530, 93.1039,
28.4567

95.0500, 100.0000,
108.9000

■ 76.8004, 92.4922,
22.1930

■ 75.7123, 92.0264,
17.8428

■ 74.9469, 91.6899,
15.1868

■ 74.4511, 91.4613,
13.9452

■ 74.3330, 91.4051,
13.7252

Harmonies

Analogous

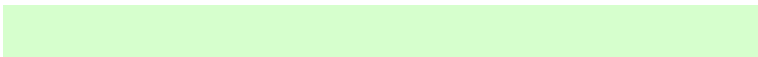
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.9859, 95.9478, 59.1827



85.1309, 95.9478, 60.4873



77.4638, 95.9478, 72.2003

Triad

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



85.1309, 95.9478, 60.4873



79.0937, 95.9478, 151.6884



111.4138, 95.9478, 115.5493

Complementary

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



85.1309, 95.9478, 60.4873



56.3490, 53.0305, 101.8737

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.



106.4611, 95.9478, 145.1574



85.1309, 95.9478, 60.4873



87.5073, 95.9478, 168.4254

Square

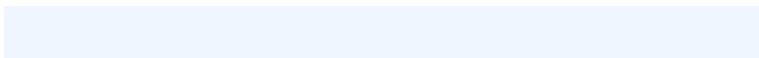
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.1309, 95.9478, 60.4873



74.1583, 95.9478, 123.2657



97.5415, 95.9478, 165.8378



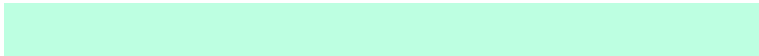
110.6606, 95.9478, 87.6907

Rectangle

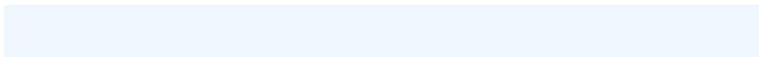
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.1309, 95.9478, 60.4873



74.3987, 95.9478, 85.7748



97.5415, 95.9478, 165.8378



110.3473, 95.9478, 125.7034

Sweetspot

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



85.1313, 95.9480, 60.4886



91.7205, 98.6431, 92.5004



67.9059, 60.4106, 54.5371



19.5061, 21.0623, 19.1817



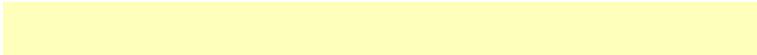
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

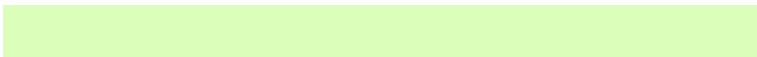
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1313, 95.9480, 60.4886



83.7168, 95.3668, 53.7337



73.9424, 90.1799, 59.9650



19.5061, 21.0623, 19.1817



38.8640, 47.7732, 7.1728



3.7998, 4.6596, 0.6991

Inverse Universe

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



56.3490, 53.0305, 101.8737



50.9218, 46.4635, 100.8922



65.6269, 57.8134, 102.3079



17.0517, 17.4029, 22.7103



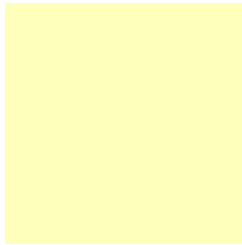
9.5009, 3.8084, 49.6689



0.9414, 0.3792, 4.8369

Previews

White Background



This preview shows how the XYZ color 85.1309, 95.9478, 60.4873 looks on a white background.

Color Contrast Check

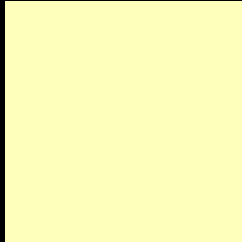
Large Text (above 18pt) WCAG AA × Fail

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 85.1309, 95.9478, 60.4873 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

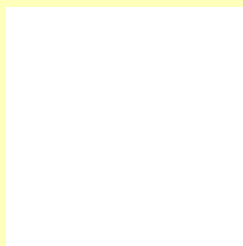
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.1309, 95.9478, 60.4873

Background



This preview shows how black text looks on a background with the XYZ color 85.1309, 95.9478, 60.4873.

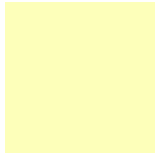


This preview shows how white text looks on a background with the XYZ color 85.1309, 95.9478,

Color Blindness Simulation

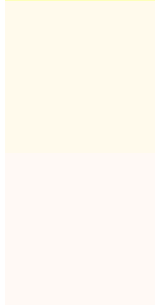
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

85.1309, 95.9478, 60.4873



Protanopia

90.5659, 95.6873, 93.0530

Deuteranopia

91.5971, 95.6039, 100.0119

Tritanopia

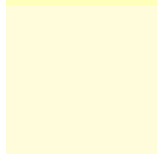
93.1657, 96.2314, 108.2719

Trichromacy



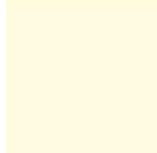
Original Color

85.1309, 95.9478, 60.4873



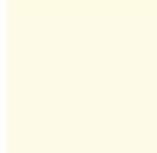
Protanomaly

88.3383, 95.7536, 80.1560



Deuteranomaly

88.8248, 95.4470, 84.2626



Tritanomaly

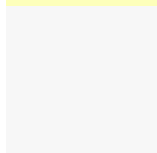
89.6532, 95.7784, 88.6248

Monochromacy



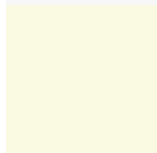
Original Color

85.1309, 95.9478, 60.4873



Achromatopsia

88.4070, 93.0111, 101.2891



Achromatomaly

86.8431, 93.9472, 84.7907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.1309, 95.9478, 60.4873 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(253, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(253, 255, 186)  
}
```

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(253, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 255, 186) }
```

Border

The CSS property to change the border of an element to XYZ 85.1309, 95.9478, 60.4873 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(253, 255, 186) }
```


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

```
.border{ border-color:rgb(253, 255, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 255, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 255, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 255, 186);  
box-shadow:4px 4px 4px 4px rgb(253, 255,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 85.1309, 95.9478, 60.4873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 255, 186) }
```

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

```
.background{ background-color: rgb(253,  
255, 186) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor