

Converting Colors

XYZ(94.5711, 100.0000,
49.2804)

Have a look what the booklet for
XYZ(94.5711, 100.0000, 49.2804)
contains.

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Color

**XYZ(83.0661, 94.1909,
48.9246)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFDA4
RGB	255, 253, 164
RGB Percent	100%, 99%, 64%
CMY	0.0000, 0.0078, 0.3569
CMYK	0.00, 0.01, 0.36, 0.00
HSL	59°, 100%, 82%
HSV	59°, 36%, 100%
XYZ	83.0661, 94.1909, 48.9246
YIQ	243.4520, 29.7610, -27.2550

Conversions

Conversions Part 2

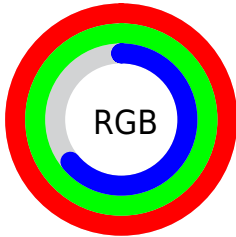
Format	Color
RYB	166, 255, 164
Decimal	16776612
CIELab	97.71, -12.08, 42.86
CIELCh	98, 44.534, 105.743
Yxy	94.1909, 0.3673, 0.4164
Android (android.graphics.Color)	4294966692 (0xFFFFFDA4)
YUV	243.4520, -39.1698, 10.1276
Hunter-Lab	97.0520, -17.0641, 38.0479

Details

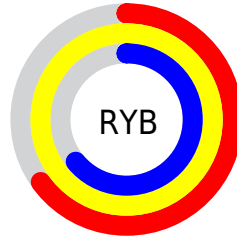
The XYZ color **83.0661, 94.1909, 48.9246** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **46.9959, 42.3838, 100.3116**, and the grayscale version is **85.8395, 90.3099, 98.3474**.

A 20% lighter version of the original color is **89.9183, 97.9473, 81.8767**, and **45.6351, 52.4979, 22.7668** is the 20% darker color. If you saturate the color by 10%, you get **80.8152, 93.0121, 37.9298**, and if you desaturate by 10%, it is **85.7840, 95.5640, 62.3551**.

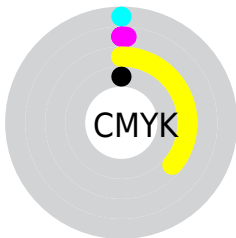
Distribution



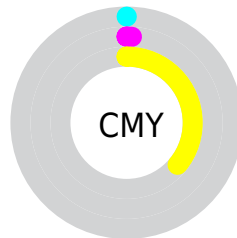
- Red (100%)
- Green (99%)
- Blue (64%)



- Red (65%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (1%)
- Yellow (36%)
- Black (0%)





- Cyan (0%)
- Magenta (1%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.0661, 94.1909, 48.9246 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 83.0661, 94.1909, 48.9246 by changing the saturation by 10% instead.

 83.0661, 94.1909,
48.9246


 83.0661, 94.1909,
48.9246

493.7874,
541.5715, 399.0593

 62.5618, 71.4617,
34.1945


 136.5961,
153.1463, 89.9593

 45.7441, 52.7191,
22.7645


 170.3524,
190.1414, 117.1009

 32.2477, 37.5786,
14.2160


209.2569,
232.6605, 149.2169

 21.7072, 25.6558,
8.1306


253.6747,
281.0882, 186.7256

 13.7573, 16.5663,
4.0897

303.9713,
335.8087, 230.0457

 8.0326, 9.9258,
1.6747

360.5121,

 4.1678, 5.3498,

397.2065, 279.5956

0.3433

423.6623,
465.6660, 335.7940

■ 1.7975, 2.4539,
0.0000

■ 0.5162, 0.8534,
0.0000

■ 83.0661, 94.1909,
48.9246

■ 83.0661, 94.1909,
48.9246

■ 80.8152, 93.0121,
37.9298

■ 85.7840, 95.5640,
62.3551

■ 78.9965, 92.0037,
29.2185

■ 88.9872, 97.1287,
78.3494

■ 77.5815, 91.1576,
22.6311

■ 92.7017, 98.8987,
97.0336

■ 76.5357, 90.4600,
17.9845

95.0500, 100.0000,
108.9000

■ 75.8182, 89.8946,
15.0650

■ 75.3789, 89.4413,
13.6077

■ 75.2438, 89.2677,
13.2646

Harmonies

Analogous

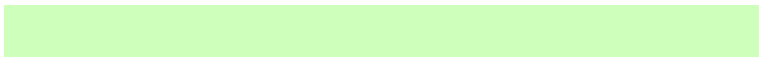
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.6710, 94.1909, 48.6386



83.0661, 94.1909, 48.9246



73.1599, 94.1909, 61.1066

Triad

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



83.0661, 94.1909, 48.9246



73.5519, 94.1909, 161.2007



115.3219, 94.1909, 120.7505

Complementary

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



83.0661, 94.1909, 48.9246



46.9959, 42.3838, 100.3116

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.



108.1663, 94.1909, 159.4736



83.0661, 94.1909, 48.9246



83.6492, 94.1909, 186.3040

Square

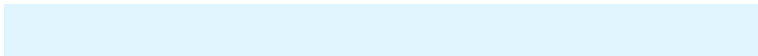
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.0661, 94.1909, 48.9246



68.0316, 94.1909, 122.7139



96.3116, 94.1909, 185.6061



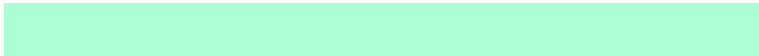
115.1280, 94.1909, 84.7394

Rectangle

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



83.0661, 94.1909, 48.9246



69.0686, 94.1909, 76.4412



96.3116, 94.1909, 185.6061



113.6690, 94.1909, 134.0337

Sweetspot

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



83.0684, 94.1952, 48.9266



90.6625, 97.9319, 86.7612



61.4943, 50.6032, 43.1030



19.2992, 20.9107, 18.0363



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

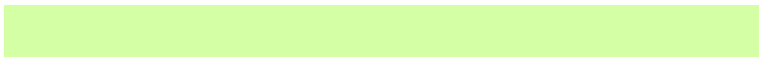
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0684, 94.1952, 48.9266



81.3764, 93.3122, 40.6518



69.7668, 88.2770, 48.4853



19.5251, 21.0184, 19.1722



39.3320, 46.6752, 6.9362



3.8400, 4.5655, 0.6788

Inverse Universe

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



46.9959, 42.3838, 100.3116



40.3399, 34.3736, 99.1164



56.9097, 46.9608, 100.6726



17.0349, 17.4414, 22.7186



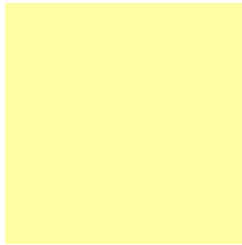
9.4770, 3.8635, 49.6808



0.9335, 0.3976, 4.8408

Previews

White Background



This preview shows how the XYZ color 83.0661, 94.1909, 48.9246 looks on a white background.

Color Contrast Check

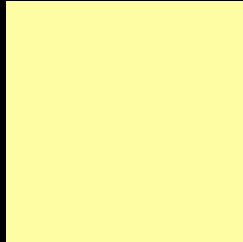
Large Text (above 18pt) WCAG AA × Fail

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 83.0661, 94.1909, 48.9246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

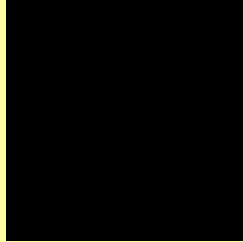
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.0661, 94.1909, 48.9246

Background



This preview shows how black text looks on a background with the XYZ color 83.0661, 94.1909, 48.9246.

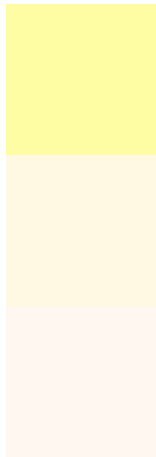


This preview shows how white text looks on a background with the XYZ color 83.0661, 94.1909,

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

83.0661, 94.1909, 48.9246

Protanopia

88.6725, 93.9409, 86.1319

Deuteranopia

90.2289, 94.0728, 95.8404

Tritanopia

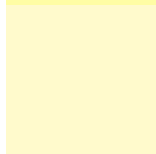
91.9254, 94.2634, 106.2782

Trichromacy



Original Color

83.0661, 94.1909, 48.9246



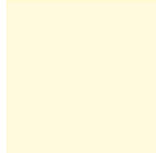
Protanomaly

86.3247, 93.9908, 70.7190



Deuteranomaly

86.9993, 93.7648, 75.8004



Tritanomaly

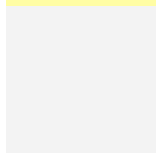
88.1668, 94.2318, 81.9483

Monochromacy



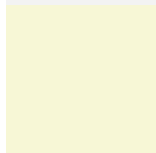
Original Color

83.0661, 94.1909, 48.9246



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.7561, 91.1507, 76.7978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.0661, 94.1909, 48.9246 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(255, 253, 164)` looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 164)  
}
```

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(255, 253, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 164) }
```

Border

The CSS property to change the border of an element to XYZ 83.0661, 94.1909, 48.9246 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(255, 253, 164) }
```


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

```
.border{ border-color:rgb(255, 253, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 253, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 164);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 83.0661, 94.1909, 48.9246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 253, 164) }
```

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

```
.background{ background-color: rgb(255,  
253, 164) }
```

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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