

Converting Colors

XYZ(100.3215, 100.0000,
61.4434)

Have a look what the booklet for
XYZ(100.3215, 100.0000, 61.4434)
contains.

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Color

**XYZ(83.5779, 91.4124,
60.8163)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF7BC
RGB	255, 247, 188
RGB Percent	100%, 97%, 74%
CMY	0.0000, 0.0313, 0.2627
CMYK	0.00, 0.03, 0.26, 0.00
HSL	53°, 100%, 87%
HSV	53°, 26%, 100%
XYZ	83.5779, 91.4124, 60.8163
YIQ	242.6660, 23.7070, -16.6530

Conversions

Conversions Part 2

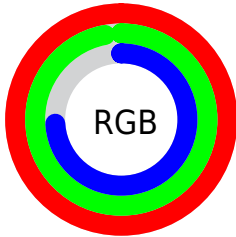
Format	Color
RYB	197, 255, 188
Decimal	16775100
CIELab	96.58, -6.24, 29.39
CIELCh	97, 30.048, 101.978
Yxy	91.4124, 0.3544, 0.3877
Android (android.graphics.Color)	4294965180 (0xFFFFF7BC)
YUV	242.6660, -26.9503, 10.8169
Hunter-Lab	95.6098, -11.2804, 29.2132

Details

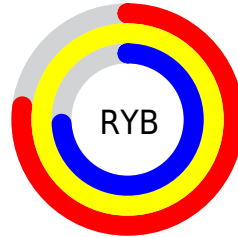
The XYZ color **83.5779, 91.4124, 60.8163** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **58.5286, 57.3896, 102.6003**, and the grayscale version is **85.1221, 89.5550, 97.5254**.

A 20% lighter version of the original color is **93.4814, 99.3726, 100.6400**, and **46.2226, 50.9886, 29.9598** is the 20% darker color. If you saturate the color by 10%, you get **80.1462, 88.5663, 47.2878**, and if you desaturate by 10%, it is **87.5149, 94.4912, 76.9117**.

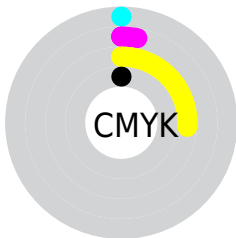
Distribution



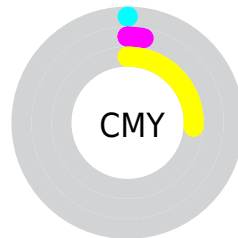
- Red (100%)
- Green (97%)
- Blue (74%)



- Red (77%)
- Yellow (100%)
- Blue (74%)



- Cyan (0%)
- Magenta (3%)
- Yellow (26%)
- Black (0%)





- Cyan (0%)
- Magenta (3%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.5779, 91.4124, 60.8163 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 83.5779, 91.4124, 60.8163 by changing the saturation by 10% instead.


 83.5779, 91.4124,
60.8163

 83.5779, 91.4124,
60.8163


495.4653,
532.6147, 445.4880

 62.9855, 69.1527,
43.6473


 137.3089,
149.2987, 107.5678

 46.0881, 50.8361,
30.0582


171.1782,
185.6941, 137.9875

 32.5203, 36.0782,
19.6303


210.2039,
227.5702, 173.6612

 21.9167, 24.4946,
11.9452

254.7513,
275.3114, 215.0073

 13.9119, 15.7009,
6.5843

305.1858,
329.3020, 262.4446

 8.1407, 9.3127,
3.1290

361.8728,

 4.2377, 4.9457,

389.9265, 316.3914

1.1609

425.1775,
457.5693, 377.2664

■ 1.8375, 2.2155,
0.0000

■ 0.5401, 0.7284,
0.0000

■ 83.5779, 91.4124,
60.8163

■ 83.5779, 91.4124,
60.8163

■ 80.1462, 88.5663,
47.2878

■ 87.5149, 94.4912,
76.9117

■ 77.1876, 85.9304,
36.1858

■ 91.9744, 97.8004,
95.6929

■ 74.6764, 83.4976,
27.3651

95.0500, 100.0000,
108.9000

■ 72.5814, 81.2552,
20.6629

■ 70.8677, 79.1891,
15.8948

■ 69.4941, 77.2828,
12.8446

■ 68.4095, 75.5157,
11.2433

■ 68.0507, 74.8814,
10.8669

Harmonies

Analogous

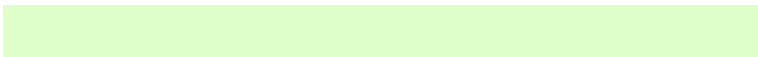
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.9745, 91.4124, 61.7291



83.5779, 91.4124, 60.8163



76.5303, 91.4124, 68.9720

Triad

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



83.5779, 91.4124, 60.8163



75.4299, 91.4124, 133.7614



103.1547, 91.4124, 114.5295

Complementary

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



83.5779, 91.4124, 60.8163



58.5286, 57.3896, 102.6003

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.



98.1334, 91.4124, 138.0024



83.5779, 91.4124, 60.8163



81.9863, 91.4124, 150.2778

Square

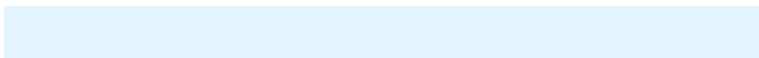
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.5779, 91.4124, 60.8163



72.0329, 91.4124, 109.4374



90.2777, 91.4124, 151.9441



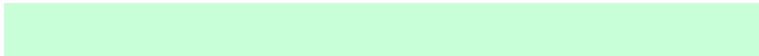
103.6494, 91.4124, 90.2442

Rectangle

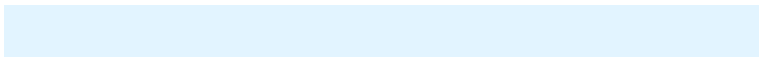
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.5779, 91.4124, 60.8163



73.4012, 91.4124, 79.3569



90.2777, 91.4124, 151.9441



101.9259, 91.4124, 122.8671

Sweetspot

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



83.5801, 91.4164, 60.8182



91.1661, 97.2119, 92.2534



69.2943, 61.2557, 60.9558



19.3653, 20.6989, 19.1189



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

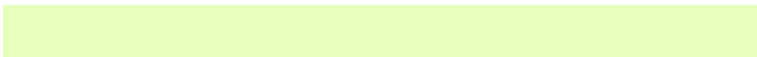
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5801, 91.4164, 60.8182



81.5540, 89.7575, 52.7650



77.6100, 92.0459, 61.2544



19.3653, 20.6989, 19.1189



35.6313, 39.2738, 5.7026



3.5193, 3.9239, 0.5719

Inverse Universe

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



58.5286, 57.3896, 102.6003



52.3337, 50.0729, 101.5145



63.3491, 57.2690, 102.3229



17.1775, 17.7267, 22.7662



9.7343, 4.3782, 49.7666



1.0009, 0.5324, 4.8633

Previews

White Background



This preview shows how the XYZ color 83.5779, 91.4124, 60.8163 looks on a white background.

Color Contrast Check

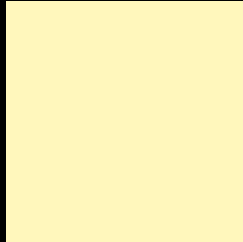
Large Text (above 18pt) WCAG AA × Fail

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 83.5779, 91.4124, 60.8163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

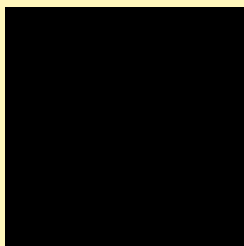
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.5779, 91.4124, 60.8163

Background



This preview shows how black text looks on a background with the XYZ color 83.5779, 91.4124, 60.8163.



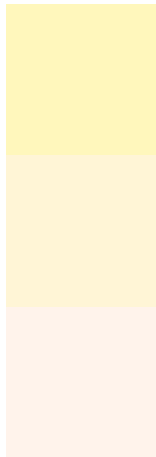
This preview shows how white text looks on a background with the XYZ color 83.5779, 91.4124,

60.8163.

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

83.5779, 91.4124, 60.8163

Protanopia

86.0300, 91.4199, 76.7299

Deuteranopia

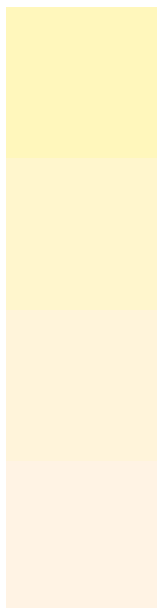
88.2860, 91.3593, 91.5782



Tritanopia

90.1079, 91.1356, 104.1085

Trichromacy



Original Color

83.5779, 91.4124, 60.8163

Protanomaly

85.2152, 91.5793, 70.9429

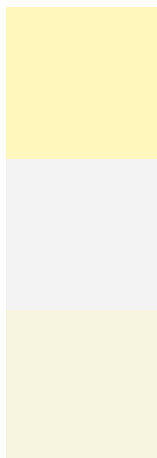
Deuteranomaly

86.2456, 91.0233, 79.3533

Tritanomaly

87.2942, 90.9626, 86.3554

Monochromacy



Original Color

83.5779, 91.4124, 60.8163

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.0277, 89.8032, 82.7171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.5779, 91.4124, 60.8163 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, 247, 188)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 188)  
}
```

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, 247, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 188) }
```

Border

The CSS property to change the border of an element to XYZ 83.5779, 91.4124, 60.8163 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, 247, 188) }
```


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

```
.border{ border-color:rgb(255, 247, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 188);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 83.5779, 91.4124, 60.8163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 188) }
```

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

```
.background{ background-color: rgb(255,  
247, 188) }
```

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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