

Converting Colors

XYZ(83.7349, 91.6050, 61.2428)

Have a look what the booklet for
XYZ(83.7349, 91.6050, 61.2428)
contains.

XYZ(83.6861, 91.4557, 61.3861)	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(83.6861, 91.4557,
61.3861)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF7BD
RGB	255, 247, 189
RGB Percent	100%, 97%, 74%
CMY	0.0000, 0.0313, 0.2588
CMYK	0.00, 0.03, 0.26, 0.00
HSL	53°, 100%, 87%
HSV	53°, 26%, 100%
XYZ	83.6861, 91.4557, 61.3861
YIQ	242.7800, 23.3860, -16.3420

Conversions

Conversions Part 2

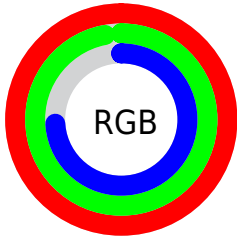
Format	Color
R _Y B	198, 255, 189
Decimal	16775101
CIE Lab	96.60, -6.11, 28.91
CIE LCh	97, 29.550, 101.925
Yxy	91.4557, 0.3538, 0.3867
Android (android.graphics.Color)	4294965181 (0xFFFFF7BD)
YUV	242.7800, -26.5135, 10.7169
Hunter-Lab	95.6325, -11.1550, 28.8847

Details

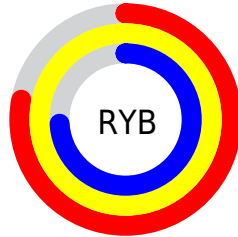
The XYZ color **83.6861, 91.4557, 61.3861** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **59.0021, 57.9696, 102.6873**, and the grayscale version is **85.2096, 89.6471, 97.6257**.

A 20% lighter version of the original color is **93.6346, 99.4338, 101.4464**, and **46.2927, 51.0166, 30.3290** is the 20% darker color. If you saturate the color by 10%, you get **80.2220, 88.5744, 47.7551**, and if you desaturate by 10%, it is **87.6570, 94.5710, 77.5891**.

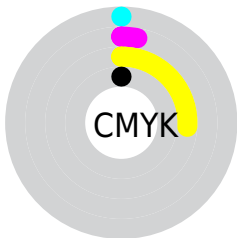
Distribution



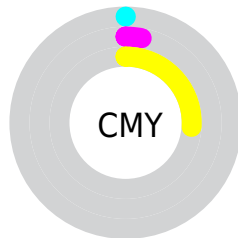
- Red (100%)
- Green (97%)
- Blue (74%)



- Red (78%)
- 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 83.6861, 91.4557, 61.3861 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 83.6861, 91.4557, 61.3861 by changing the saturation by 10% instead.


 83.6861, 91.4557,
61.3861

 83.6861, 91.4557,
61.3861

495.8197,
532.7549, 447.6339

 63.0751, 69.1886,
44.1043


 137.4595,
149.3588, 108.4008

 46.1609, 50.8653,
30.4147

171.3527,
185.7636, 138.9706

 32.5779, 36.1015,
19.8988


210.4040,
227.6498, 174.8070

 21.9610, 24.5126,
12.1382

254.9788,
275.4017, 216.3283

 13.9447, 15.7143,
6.7142

305.4424,
329.4038, 263.9531

 8.1637, 9.3222,
3.2083

362.1601,

 4.2525, 4.9519,

390.0404, 318.0999

1.2019

425.4975,
457.6960, 379.1874

■ 1.8460, 2.2191,
0.0000

■ 0.5451, 0.7304,
0.0000

■ 83.6861, 91.4557,
61.3861

■ 83.6861, 91.4557,
61.3861

■ 80.2220, 88.5744,
47.7551

■ 87.6570, 94.5710,
77.5891

■ 77.2325, 85.9048,
36.5563

■ 92.1517, 97.9179,
96.4829

■ 74.6919, 83.4395,
27.6450

95.0500, 100.0000,
108.9000

■ 72.5693, 81.1661,
20.8591

■ 70.8299, 79.0705,
16.0151

■ 69.4329, 77.1362,
12.8985

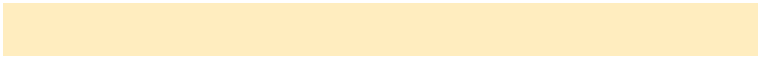
■ 68.3275, 75.3430,
11.2431

■ 67.9266, 74.6332,
10.8255

Harmonies

Analogous

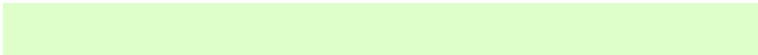
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.9456, 91.4557, 62.3051



83.6861, 91.4557, 61.3861



76.7429, 91.4557, 69.4347

Triad

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



83.6861, 91.4557, 61.3861



75.6398, 91.4557, 133.1572



102.9104, 91.4557, 114.3643

Complementary

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



83.6861, 91.4557, 61.3861



59.0021, 57.9696, 102.6873

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.



97.9721, 91.4557, 137.3876



83.6861, 91.4557, 61.3861



82.0923, 91.4557, 149.3647

Square

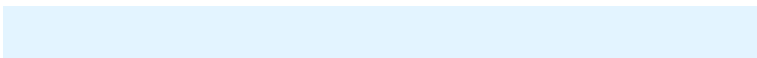
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.6861, 91.4557, 61.3861



72.2981, 91.4557, 109.2746



90.2483, 91.4557, 151.0251



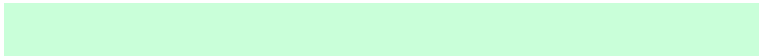
103.4045, 91.4557, 90.4759

Rectangle

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



83.6861, 91.4557, 61.3861



73.6557, 91.4557, 79.6761



90.2483, 91.4557, 151.0251



101.7013, 91.4557, 122.5493

Sweetspot

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



83.6883, 91.4597, 61.3880



91.1545, 97.1887, 92.2496



69.6083, 61.7242, 61.5516



19.3624, 20.6930, 19.1180



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

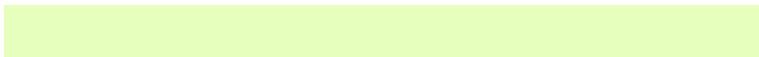
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6883, 91.4597, 61.3880



81.8529, 89.9553, 54.0974



77.8363, 92.1500, 61.8297



19.3624, 20.6930, 19.1180



35.5674, 39.1460, 5.6813



3.5137, 3.9128, 0.5700

Inverse Universe

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



59.0021, 57.9696, 102.6873



53.4020, 51.3620, 101.7070



63.7471, 57.7924, 102.4030



17.1802, 17.7320, 22.7671



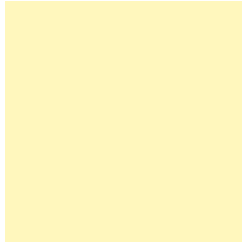
9.7412, 4.3919, 49.7689



1.0021, 0.5349, 4.8637

Previews

White Background



This preview shows how the XYZ color 83.6861, 91.4557, 61.3861 looks on a white background.

Color Contrast Check

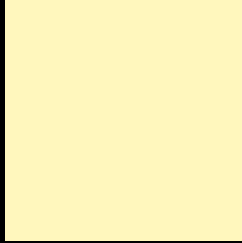
Large Text (above 18pt) WCAG AA × Fail

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 83.6861, 91.4557, 61.3861 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 83.6861, 91.4557, 61.3861

Background



This preview shows how black text looks on a background with the XYZ color 83.6861, 91.4557, 61.3861.



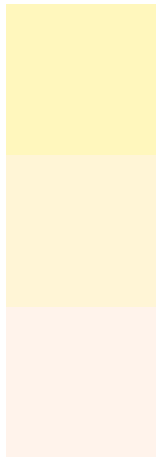
This preview shows how white text looks on a background with the XYZ color 83.6861, 91.4557,

61.3861.

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

83.6861, 91.4557, 61.3861

Protanopia

86.0300, 91.4199, 76.7299

Deuteranopia

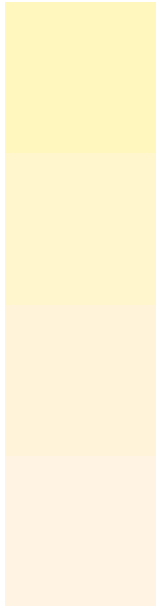
88.2860, 91.3593, 91.5782



Tritanopia

90.1079, 91.1356, 104.1085

Trichromacy



Original Color

83.6861, 91.4557, 61.3861

Protanomaly

85.2152, 91.5793, 70.9429

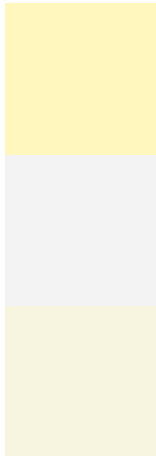
Deuteranomaly

86.2456, 91.0233, 79.3533

Tritanomaly

87.2942, 90.9626, 86.3554

Monochromacy



Original Color

83.6861, 91.4557, 61.3861

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 83.6861, 91.4557, 61.3861 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, 189)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 189)  
}
```

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, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 189) }
```

Border

The CSS property to change the border of an element to XYZ 83.6861, 91.4557, 61.3861 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, 189) }
```


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

```
.border{ border-color:rgb(255, 247, 189) }
```

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, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 189);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 83.6861, 91.4557, 61.3861 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, 189) }
```

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

```
.background{ background-color: rgb(255,  
247, 189) }
```

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