

Converting Colors

XYZ(87.1053, 109.4802,
64.7930)

Have a look what the booklet for
XYZ(87.1053, 109.4802, 64.7930)
contains.

XYZ(78.5496, 92.5178, 61.8618)	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(78.5496, 92.5178,
61.8618)**

Conversions

Conversions Part 1

Format	Color
Hex	E9FFBD
RGB	233, 255, 189
RGB Percent	91%, 100%, 74%
CMY	0.0863, 0.0000, 0.2588
CMYK	0.09, 0.00, 0.26, 0.00
HSL	80°, 100%, 87%
HSV	80°, 26%, 100%
XYZ	78.5496, 92.5178, 61.8618
YIQ	240.8980, 8.0740, -25.1900

Conversions

Conversions Part 2

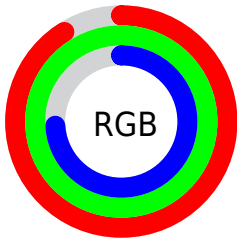
Format	Color
RYB	189, 255, 211
Decimal	15335357
CIELab	97.03, -17.99, 29.23
CIELCh	97, 34.327, 121.607
Yxy	92.5178, 0.3372, 0.3972
Android (android.graphics.Color)	4293525437 (0xFFE9FFBD)
YUV	240.8980, -25.5857, -6.9265
Hunter-Lab	96.1862, -22.5553, 29.1982

Details

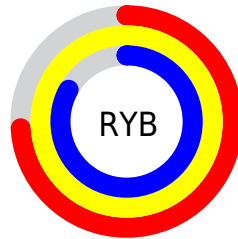
The XYZ color **78.5496, 92.5178, 61.8618** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **63.1125, 57.4653, 102.3733**, and the grayscale version is **83.7187, 88.0785, 95.9175**.

A 20% lighter version of the original color is **93.6346, 99.4338, 101.4464**, and **42.6987, 51.4845, 30.6087** is the 20% darker color. If you saturate the color by 10%, you get **73.3118, 90.1098, 48.4157**, and if you desaturate by 10%, it is **84.4087, 95.1898, 77.8798**.

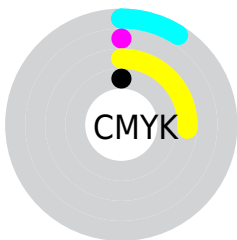
Distribution



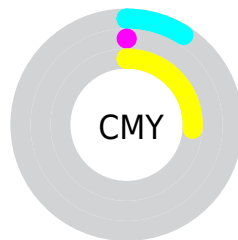
- Red (91%)
- Green (100%)
- Blue (74%)



- Red (74%)
- Yellow (100%)
- Blue (83%)



- Cyan (9%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.5496, 92.5178, 61.8618 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 78.5496, 92.5178, 61.8618 by changing the saturation by 10% instead.


 78.5496, 92.5178,
61.8618

 78.5496, 92.5178,
61.8618


478.8426,
536.1876, 449.4205

 58.8299, 70.0708,
44.4860


 130.2859,
150.8308, 109.0954

 42.7221, 51.5842,
30.7127


163.0332,
187.4657, 139.7903

 29.8607, 36.6738,
20.1236


200.8537,
229.5985, 175.7619

 19.8804, 24.9550,
12.2999

244.1129,
277.6139, 217.4289

 12.4159, 16.0435,
6.8233

293.1760,
331.8960, 265.2097

 7.1018, 9.5550,
3.2751

348.4084,

 3.5727, 5.1049,

392.8294, 319.5229

1.2367

410.1755,
460.7985, 380.7870

■ 1.4634, 2.3089,
0.0091

■ 0.3007, 0.7784,
0.0000

■ 78.5496, 92.5178,
61.8618

■ 78.5496, 92.5178,
61.8618

■ 73.3118, 90.1098,
48.4157

■ 84.4087, 95.1898,
77.8798

■ 68.6667, 87.9541,
37.4033

■ 90.9131, 98.1355,
96.5903

■ 64.5849, 86.0387,
28.6794

95.0500, 100.0000,
108.9000

■ 61.0337, 84.3503,
22.0817

■ 57.9763, 82.8741,
17.4268

■ 55.3700, 81.5925,
14.4999

■ 53.1620, 80.4844,
13.0348

■ 52.3375, 80.0660,
12.6958

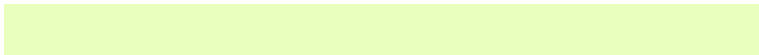
Harmonies

Analogous

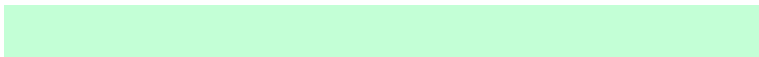
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4153, 92.5178, 56.3449



78.5496, 92.5178, 61.8618



72.5770, 92.5178, 77.4846

Triad

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



78.5496, 92.5178, 61.8618



79.3898, 92.5178, 155.1946



107.8541, 92.5178, 99.2510

Complementary

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



78.5496, 92.5178, 61.8618



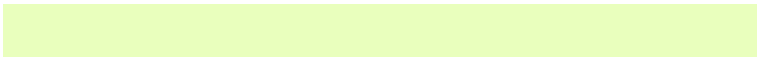
63.1125, 57.4653, 102.3733

Split Complementary

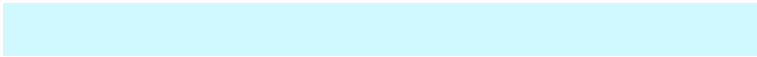
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



105.3206, 92.5178, 128.2280



78.5496, 92.5178, 61.8618



88.4576, 92.5178, 163.8650

Square

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



78.5496, 92.5178, 61.8618



73.0365, 92.5178, 131.2884



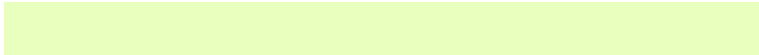
98.0406, 92.5178, 153.2122



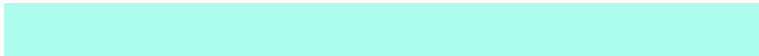
104.7340, 92.5178, 75.3346

Rectangle

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



78.5496, 92.5178, 61.8618



70.7996, 92.5178, 93.1642



98.0406, 92.5178, 153.2122



107.6345, 92.5178, 108.7077

Sweetspot

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



78.5500, 92.5180, 61.8631



89.4800, 97.4881, 92.3956



73.7202, 71.5235, 58.0654



18.9384, 20.7697, 19.1551



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

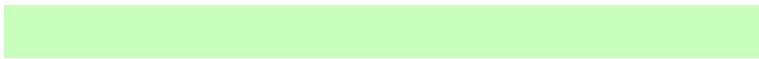
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.5500, 92.5180, 61.8631



75.7930, 91.2531, 54.6673



68.7655, 87.4738, 61.4052



18.9384, 20.7697, 19.1551



27.5124, 41.9212, 6.6416



2.7947, 4.1415, 0.6521

Inverse Universe

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



63.1125, 57.4653, 102.3733



58.0039, 50.8495, 101.3655



73.5564, 62.8493, 102.8620



17.5735, 17.6718, 22.7347



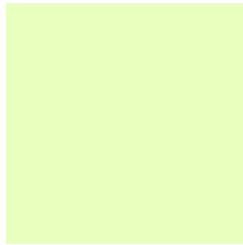
11.5297, 4.8542, 49.7639



1.2329, 0.5295, 4.8505

Previews

White Background



This preview shows how the XYZ color 78.5496, 92.5178, 61.8618 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 78.5496, 92.5178, 61.8618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

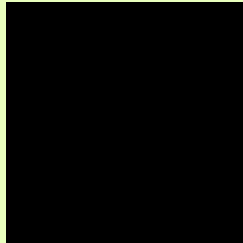
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

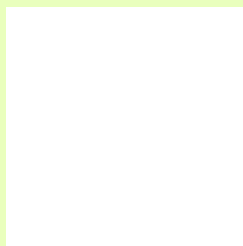
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.5496, 92.5178, 61.8618

Background



This preview shows how black text looks on a background with the XYZ color 78.5496, 92.5178, 61.8618.



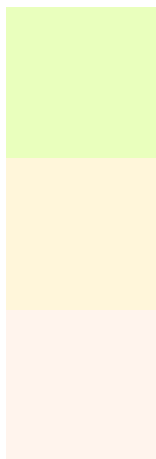
This preview shows how white text looks on a background with the XYZ color 78.5496, 92.5178,

61.8618.

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

78.5496, 92.5178, 61.8618

Protanopia

86.8507, 92.2335, 79.5550

Deuteranopia

88.8767, 92.0758, 93.2089

Tritanopia

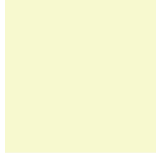
88.6620, 92.5440, 107.7975

Trichromacy



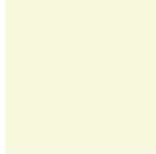
Original Color

78.5496, 92.5178, 61.8618



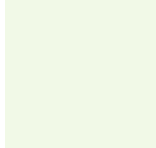
Protanomaly

83.4959, 92.0305, 72.3944



Deuteranomaly

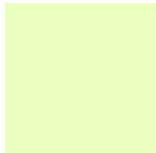
84.8434, 92.0763, 81.0109



Tritanomaly

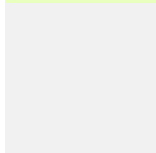
84.5751, 92.2217, 88.9443

Monochromacy



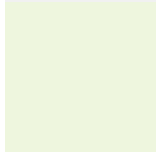
Original Color

78.5496, 92.5178, 61.8618



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

81.4005, 89.3626, 82.0657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.5496, 92.5178, 61.8618 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(233, 255, 189)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 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(233, 255, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 189) }
```

Border

The CSS property to change the border of an element to XYZ 78.5496, 92.5178, 61.8618 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(233, 255, 189) }
```


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

```
.border{ border-color:rgb(233, 255, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 255, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 189);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 78.5496, 92.5178, 61.8618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 255, 189) }
```

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

```
.background{ background-color: rgb(233,  
255, 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