

Converting Colors

XYZ(78.6784, 92.4634, 67.3246)

Have a look what the booklet for
XYZ(78.6784, 92.4634, 67.3246)
contains.

XYZ(78.5862, 92.4202, 67.1230)	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(78.5862, 92.4202,
67.1230)**

Conversions

Conversions Part 1

Format	Color
Hex	E6FFC6
RGB	230, 255, 198
RGB Percent	90%, 100%, 78%
CMY	0.0980, 0.0000, 0.2235
CMYK	0.10, 0.00, 0.22, 0.00
HSL	86°, 100%, 89%
HSV	86°, 22%, 100%
XYZ	78.5862, 92.4202, 67.1230
YIQ	241.0270, 3.3970, -23.0270

Conversions

Conversions Part 2

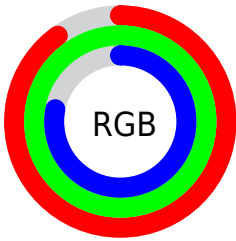
Format	Color
RYB	198, 255, 223
Decimal	15138758
CIELab	96.99, -17.75, 24.60
CIELCh	97, 30.331, 125.809
Yxy	92.4202, 0.3300, 0.3881
Android (android.graphics.Color)	4293328838 (0xFFE6FFC6)
YUV	241.0270, -21.2123, -9.6707
Hunter-Lab	96.1354, -22.3216, 25.8978

Details

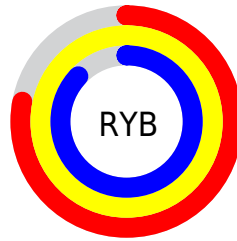
The XYZ color **78.5862, 92.4202, 67.1230** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.6764, 63.2973, 103.2057**, and the grayscale version is **83.7896, 88.1532, 95.9988**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.6837, 51.4005, 34.0572** is the 20% darker color. If you saturate the color by 10%, you get **72.4131, 89.5496, 52.7513**, and if you desaturate by 10%, it is **85.4860, 95.6082, 84.1162**.

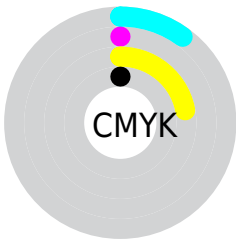
Distribution



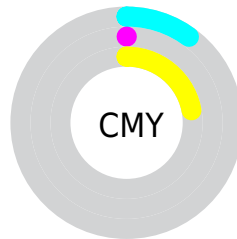
- Red (90%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (87%)



- Cyan (10%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.5862, 92.4202, 67.1230 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 78.5862, 92.4202, 67.1230 by changing the saturation by 10% instead.


 78.5862, 92.4202,
67.1230

 78.5862, 92.4202,
67.1230


478.9648,
535.8726, 468.8959

 58.8601, 69.9897,
48.7224


130.3372,
150.6956, 116.7390

 42.7464, 51.5181,
34.0352


163.0927,
187.3094, 148.7914

 29.8799, 36.6211,
22.6431


200.9222,
229.4196, 186.2315

 19.8951, 24.9143,
14.1274

244.1908,
277.4108, 229.4777

 12.4266, 16.0132,
8.0696

293.2640,
331.6673, 278.9488

 7.1092, 9.5335,
4.0511

348.5072,

 3.5774, 5.0908,

392.5735, 335.0631

1.6534

410.2857,
460.5138, 398.2393

■ 1.4660, 2.3006,
0.3285

■ 0.3025, 0.7740,
0.0000

■ 78.5862, 92.4202,
67.1230

■ 78.5862, 92.4202,
67.1230

■ 72.4131, 89.5496,
52.7513

■ 85.4860, 95.6082,
84.1162

■ 66.9359, 86.9834,
40.8662

■ 93.1380, 99.1242,
103.8483

■ 62.1239, 84.7088,
31.3272

■ 95.0500, 100.0000,
108.9000

■ 57.9428, 82.7118,
23.9779

■ 54.3548, 80.9764,
18.6430

■ 51.3166, 79.4850,
15.1203

■ 48.7769, 78.2164,
13.1653

■ 47.1151, 77.3738,
12.4514

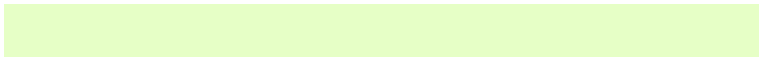
Harmonies

Analogous

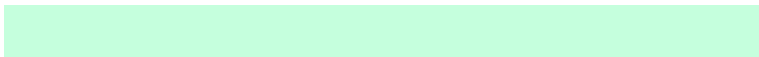
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1921, 92.4202, 60.7386



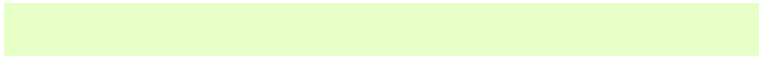
78.5862, 92.4202, 67.1230



73.7066, 92.4202, 82.5720

Triad

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



78.5862, 92.4202, 67.1230



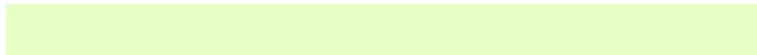
81.2876, 92.4202, 149.8808



105.2024, 92.4202, 95.9477

Complementary

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



78.5862, 92.4202, 67.1230



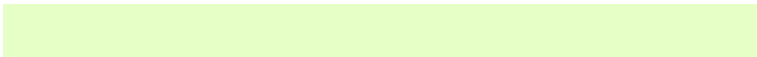
68.6764, 63.2973, 103.2057

Split Complementary

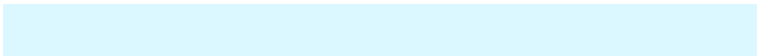
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.6795, 92.4202, 121.1454



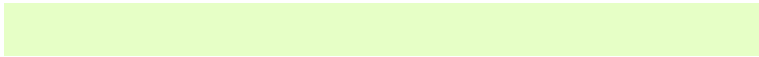
78.5862, 92.4202, 67.1230



89.5140, 92.4202, 155.0067

Square

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



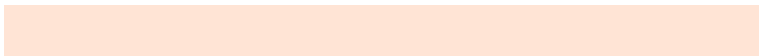
78.5862, 92.4202, 67.1230



75.1941, 92.4202, 130.7105



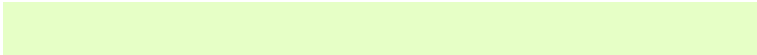
97.7988, 92.4202, 143.7622



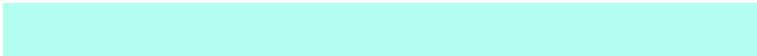
101.8355, 92.4202, 75.5593

Rectangle

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



78.5862, 92.4202, 67.1230



72.4705, 92.4202, 97.2335



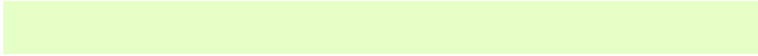
97.7988, 92.4202, 143.7622



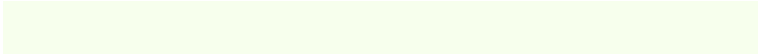
105.2479, 92.4202, 104.1044

Sweetspot

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



78.5867, 92.4205, 67.1244



89.4861, 97.4485, 94.3287



77.7412, 77.9532, 64.3765



19.0548, 20.8125, 19.9352



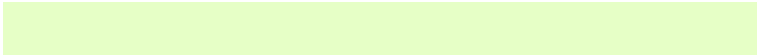
0.0000, 0.0000, 0.0000



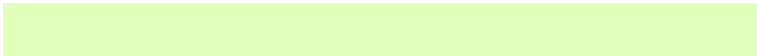
20.3446, 21.4041, 23.3091

Same Dimension

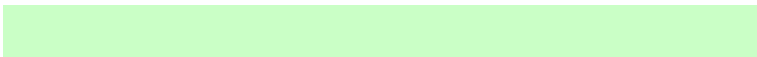
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.5867, 92.4205, 67.1244



75.6287, 91.0474, 60.1259



70.2569, 88.1263, 66.7345



18.7473, 20.6711, 19.1462



24.7932, 40.5194, 6.5143



2.5396, 4.0099, 0.6401

Inverse Universe

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



68.6764, 63.2973, 103.2057



64.0622, 57.0529, 102.2436



78.1004, 68.1556, 103.6467



17.7590, 17.7675, 22.7434



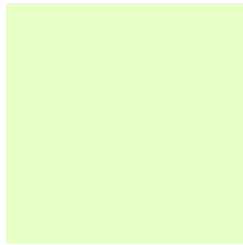
13.0771, 5.6520, 49.8363



1.3961, 0.6136, 4.8581

Previews

White Background



This preview shows how the XYZ color 78.5862, 92.4202, 67.1230 looks on a white background.

Color Contrast Check

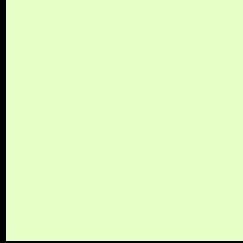
Large Text (above 18pt) WCAG AA × Fail

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 78.5862, 92.4202, 67.1230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

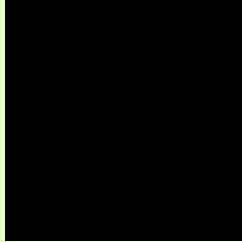
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

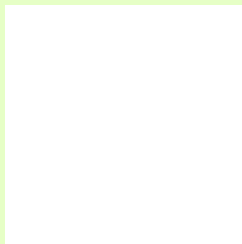
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.5862, 92.4202, 67.1230

Background



This preview shows how black text looks on a background with the XYZ color 78.5862, 92.4202, 67.1230.



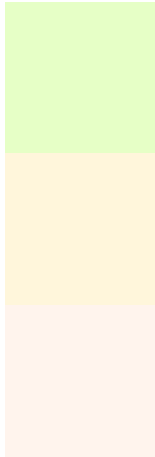
This preview shows how white text looks on a background with the XYZ color 78.5862, 92.4202,

67.1230.

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

78.5862, 92.4202, 67.1230

Protanopia

86.9820, 92.2860, 80.2464

Deuteranopia

88.8767, 92.0758, 93.2089

Tritanopia

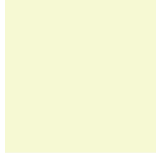
87.9679, 92.1862, 107.7651

Trichromacy



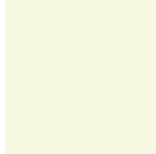
Original Color

78.5862, 92.4202, 67.1230



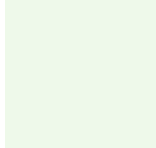
Protanomaly

83.6396, 92.0473, 74.9867



Deuteranomaly

84.8927, 92.0553, 83.1062



Tritanomaly

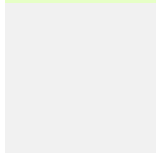
83.9869, 91.8690, 91.1478

Monochromacy



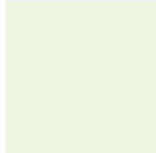
Original Color

78.5862, 92.4202, 67.1230



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

81.4714, 89.3523, 84.1869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.5862, 92.4202, 67.1230 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(230, 255, 198)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 198)  
}
```

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(230, 255, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 198) }
```

Border

The CSS property to change the border of an element to XYZ 78.5862, 92.4202, 67.1230 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(230, 255, 198) }
```


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

```
.border{ border-color:rgb(230, 255, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 255, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 198);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 78.5862, 92.4202, 67.1230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 198) }
```

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

```
.background{ background-color: rgb(230,  
255, 198) }
```

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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