

Converting Colors

XYZ(85.1776, 106.8624,
64.9112)

Have a look what the booklet for
XYZ(85.1776, 106.8624, 64.9112)
contains.

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Color

**XYZ(77.6874, 92.0607,
62.3901)**

Conversions

Conversions Part 1

Format	Color
Hex	E6FFBE
RGB	230, 255, 190
RGB Percent	90%, 100%, 75%
CMY	0.0980, 0.0000, 0.2549
CMYK	0.10, 0.00, 0.25, 0.00
HSL	83°, 100%, 87%
HSV	83°, 25%, 100%
XYZ	77.6874, 92.0607, 62.3901
YIQ	240.1150, 5.9650, -25.5150

Conversions

Conversions Part 2

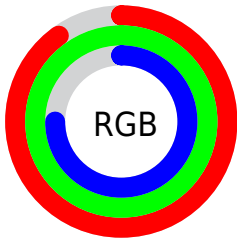
Format	Color
RYB	190, 255, 215
Decimal	15138750
CIELab	96.85, -18.91, 28.44
CIELCh	97, 34.155, 123.617
Yxy	92.0607, 0.3347, 0.3966
Android (android.graphics.Color)	4293328830 (0xFFE6FFBE)
YUV	240.1150, -24.7067, -8.8709
Hunter-Lab	95.9483, -23.3816, 28.6106

Details

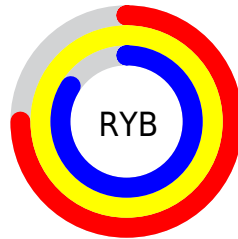
The XYZ color **77.6874, 92.0607, 62.3901** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.4887, 58.4952, 102.4995**, and the grayscale version is **83.0980, 87.4255, 95.2064**.

A 20% lighter version of the original color is **93.7885, 99.4954, 102.2570**, and **42.0936, 51.1644, 30.9497** is the 20% darker color. If you saturate the color by 10%, you get **72.0800, 89.4643, 48.8296**, and if you desaturate by 10%, it is **83.9606, 94.9439, 78.5297**.

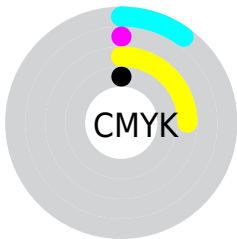
Distribution



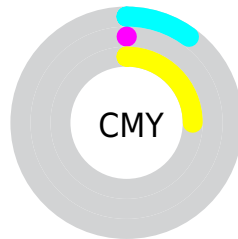
- Red (90%)
- Green (100%)
- Blue (75%)



- Red (75%)
- Yellow (100%)
- Blue (84%)



- Cyan (10%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.6874, 92.0607, 62.3901 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 77.6874, 92.0607, 62.3901 by changing the saturation by 10% instead.


 77.6874, 92.0607,
62.3901

 77.6874, 92.0607,
62.3901


475.9606,
534.7117, 451.3995

 58.1191, 69.6910,
44.9102

 129.0771,
150.1975, 109.8662

 42.1480, 51.2747,
31.0442


161.6291,
186.7335, 140.6994

 29.4088, 36.4273,
20.3738


199.2399,
228.7603, 176.8208

 19.5362, 24.7644,
12.4803

242.2746,
276.6624, 218.6490

 12.1646, 15.9016,
6.9452

291.0987,
330.8242, 266.6024

 6.9289, 9.4545,
3.3499

346.0775,

 3.4636, 5.0388,

391.6301, 321.0996

1.2760

407.5763,
459.4645, 382.5591

■ 1.4034, 2.2701,
0.0420

■ 0.2586, 0.7578,
0.0000

■ 77.6874, 92.0607,
62.3901

■ 77.6874, 92.0607,
62.3901

■ 72.0800, 89.4643,
48.8296

■ 83.9606, 94.9439,
78.5297

■ 67.1085, 87.1424,
37.7101

■ 90.9245, 98.1242,
97.3685

■ 62.7430, 85.0826,
28.8871

95.0500, 100.0000,
108.9000

■ 58.9495, 83.2712,
22.1990

■ 55.6905, 81.6925,
17.4631

■ 52.9222, 80.3289,
14.4662

■ 50.5912, 79.1585,
12.9448

■ 49.6495, 78.6803,
12.5700

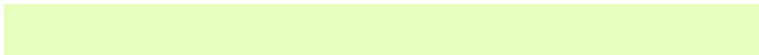
Harmonies

Analogous

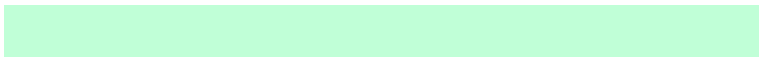
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3433, 92.0607, 56.2443



77.6874, 92.0607, 62.3901



72.0049, 92.0607, 78.5620

Triad

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



77.6874, 92.0607, 62.3901



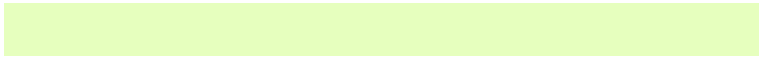
79.5627, 92.0607, 155.3579



107.2166, 92.0607, 96.9451

Complementary

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



77.6874, 92.0607, 62.3901



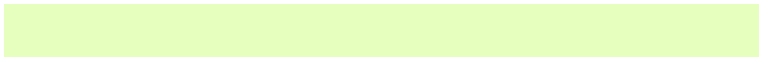
64.4887, 58.4952, 102.4995

Split Complementary

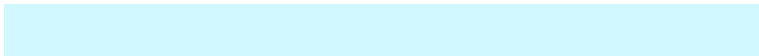
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



105.0745, 92.0607, 125.5750



77.6874, 92.0607, 62.3901



88.6689, 92.0607, 162.6937

Square

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



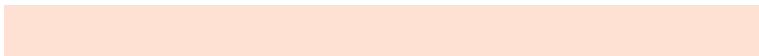
77.6874, 92.0607, 62.3901



73.0308, 92.0607, 132.3978



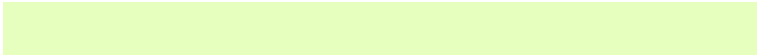
98.1079, 92.0607, 150.9406



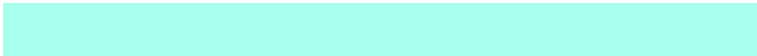
103.7663, 92.0607, 73.7603

Rectangle

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



77.6874, 92.0607, 62.3901



70.4308, 92.0607, 94.4830



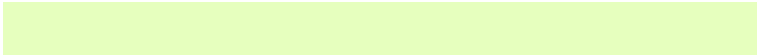
98.1079, 92.0607, 150.9406



107.1278, 92.0607, 106.2230

Sweetspot

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



77.6879, 92.0609, 62.3914



89.1097, 97.2972, 92.3783



74.8141, 73.5370, 58.9674



18.8450, 20.7215, 19.1507



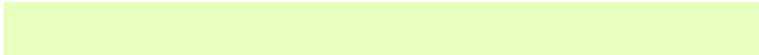
0.0000, 0.0000, 0.0000



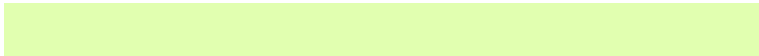
20.3446, 21.4041, 23.3091

Same Dimension

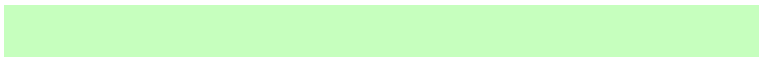
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6879, 92.0609, 62.3914



74.5171, 90.5953, 54.6075



68.2341, 87.1873, 61.9490



18.8450, 20.7215, 19.1507



26.1148, 41.2008, 6.5761



2.6648, 4.0745, 0.6460

Inverse Universe

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



64.4887, 58.4952, 102.4995



59.1175, 51.4236, 101.4177



74.9689, 63.8979, 102.9900



17.6635, 17.7183, 22.7389



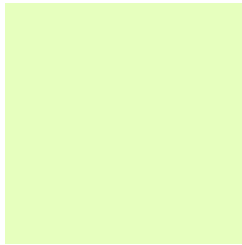
12.2216, 5.2110, 49.7962



1.3075, 0.5679, 4.8540

Previews

White Background



This preview shows how the XYZ color 77.6874, 92.0607, 62.3901 looks on a white background.

Color Contrast Check

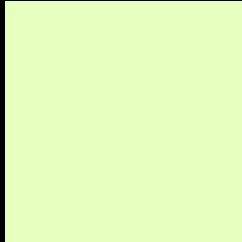
Large Text (above 18pt) WCAG AA × Fail

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 77.6874, 92.0607, 62.3901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

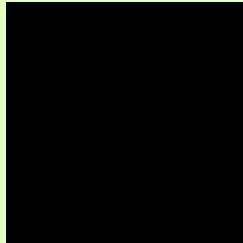
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

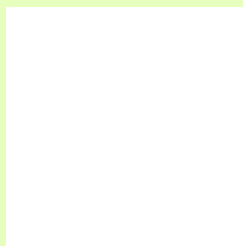
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.6874, 92.0607, 62.3901

Background



This preview shows how black text looks on a background with the XYZ color 77.6874, 92.0607, 62.3901.

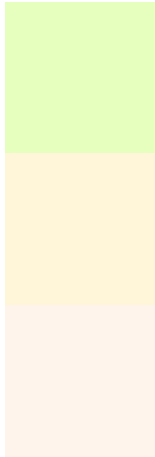


This preview shows how white text looks on a background with the XYZ color 77.6874, 92.0607, 62.3901.

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

77.6874, 92.0607, 62.3901

Protanopia

86.2871, 91.5227, 78.0836

Deuteranopia

88.7310, 92.0175, 92.4414

Tritanopia

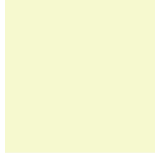
87.6646, 91.5795, 107.6639

Trichromacy



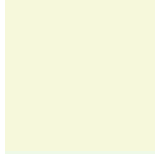
Original Color

77.6874, 92.0607, 62.3901



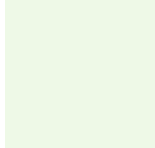
Protanomaly

83.1442, 91.8492, 72.3780



Deuteranomaly

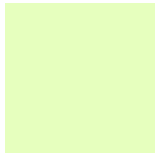
84.3596, 91.8421, 80.2989



Tritanomaly

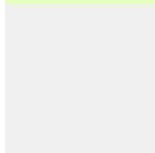
83.5594, 91.6980, 88.8967

Monochromacy



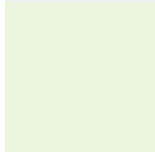
Original Color

77.6874, 92.0607, 62.3901



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.4293, 88.4116, 81.9333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6874, 92.0607, 62.3901 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, 190)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 190)  
}
```

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, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 190) }
```

Border

The CSS property to change the border of an element to XYZ 77.6874, 92.0607, 62.3901 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, 190) }
```


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

```
.border{ border-color:rgb(230, 255, 190) }
```

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, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 190);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6874, 92.0607, 62.3901 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, 190) }
```

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

```
.background{ background-color: rgb(230,  
255, 190) }
```

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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