

Converting Colors

XYZ(77.5546, 92.0009, 61.9925)

Have a look what the booklet for
XYZ(77.5546, 92.0009, 61.9925)
contains.

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Color

**XYZ(77.5784, 92.0171,
61.8164)**

Conversions

Conversions Part 1

Format	Color
Hex	E6FFBD
RGB	230, 255, 189
RGB Percent	90%, 100%, 74%
CMY	0.0980, 0.0000, 0.2588
CMYK	0.10, 0.00, 0.26, 0.00
HSL	83°, 100%, 87%
HSV	83°, 26%, 100%
XYZ	77.5784, 92.0171, 61.8164
YIQ	240.0010, 6.2860, -25.8260

Conversions

Conversions Part 2

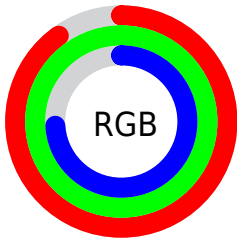
Format	Color
RYB	189, 255, 214
Decimal	15138749
CIELab	96.83, -19.05, 28.92
CIELCh	97, 34.634, 123.373
Yxy	92.0171, 0.3352, 0.3976
Android (android.graphics.Color)	4293328829 (0xFFE6FFBD)
YUV	240.0010, -25.1435, -8.7709
Hunter-Lab	95.9255, -23.5104, 28.9402

Details

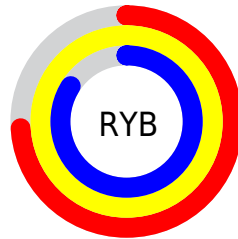
The XYZ color **77.5784, 92.0171, 61.8164** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.9802, 57.9126, 102.4139**, and the grayscale version is **83.0117, 87.3348, 95.1076**.

A 20% lighter version of the original color is **93.6346, 99.4338, 101.4464**, and **42.0228, 51.1361, 30.5771** is the 20% darker color. If you saturate the color by 10%, you get **72.0346, 89.4513, 48.3560**, and if you desaturate by 10%, it is **83.7817, 94.8665, 77.8505**.

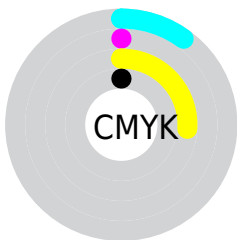
Distribution



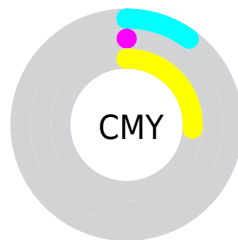
- Red (90%)
- Green (100%)
- Blue (74%)



- Red (74%)
- Yellow (100%)
- Blue (84%)



- Cyan (10%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)



- Cyan (10%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.5784, 92.0171, 61.8164 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 77.5784, 92.0171, 61.8164 by changing the saturation by 10% instead.

77.5784, 92.0171,
61.8164

77.5784, 92.0171,
61.8164

475.5956,
534.5708, 449.2502

58.0293, 69.6548,
44.4495

128.9241,
150.1371, 109.0292

42.0755, 51.2452,
30.6843

161.4515,
186.6636, 139.7121

29.3518, 36.4038,
20.1021

199.0356,
228.6803, 175.6709

19.4927, 24.7462,
12.2845

242.0419,
276.5716, 217.3239

12.1330, 15.8881,
6.8128

290.8357,
330.7219, 265.0899

6.9071, 9.4450,
3.2687

345.7823,

3.4499, 5.0325,

391.5156, 319.3872

1.2334

407.2472,
459.3371, 380.6345

■ 1.3959, 2.2664,
0.0063

■ 0.2533, 0.7558,
0.0000

■ 77.5784, 92.0171,
61.8164

■ 77.5784, 92.0171,
61.8164

■ 72.0346, 89.4513,
48.3560

■ 83.7817, 94.8665,
77.8505

■ 67.1206, 87.1570,
37.3310

■ 90.6693, 98.0098,
96.5789

■ 62.8062, 85.1218,
28.5962

95.0500, 100.0000,
108.9000

■ 59.0578, 83.3317,
21.9893

■ 55.8376, 81.7715,
17.3267

■ 53.1016, 80.4232,
14.3937

■ 50.7964, 79.2649,
12.9241

■ 49.9409, 78.8305,
12.5837

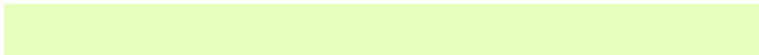
Harmonies

Analogous

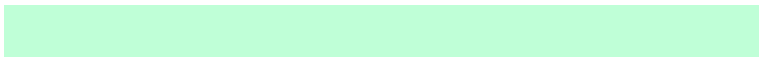
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3649, 92.0171, 55.7021



77.5784, 92.0171, 61.8164



71.7967, 92.0171, 78.0697

Triad

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



77.5784, 92.0171, 61.8164



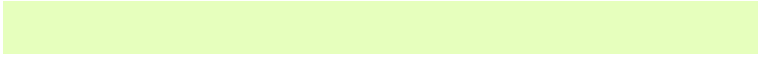
79.3494, 92.0171, 156.0466



107.4701, 92.0171, 97.0757

Complementary

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



77.5784, 92.0171, 61.8164



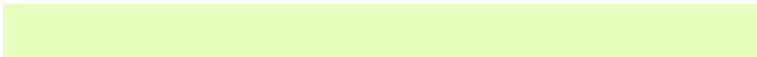
63.9802, 57.9126, 102.4139

Split Complementary

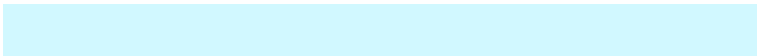
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



105.2491, 92.0171, 126.1398



77.5784, 92.0171, 61.8164



88.5633, 92.0171, 163.6690

Square

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



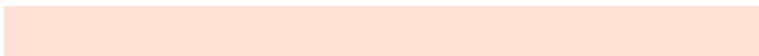
77.5784, 92.0171, 61.8164



72.7647, 92.0171, 132.6048



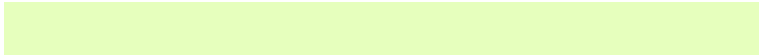
98.1459, 92.0171, 151.8547



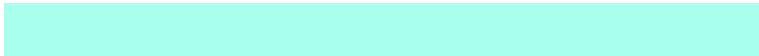
104.0103, 92.0171, 73.5430

Rectangle

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



77.5784, 92.0171, 61.8164



70.1809, 92.0171, 94.1408



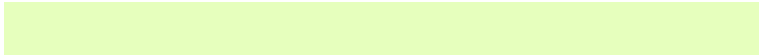
98.1459, 92.0171, 151.8547



107.3640, 92.0171, 106.4949

Sweetspot

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



77.5789, 92.0173, 61.8177



89.1516, 97.3188, 92.3802



74.2705, 72.6242, 58.2489



18.8556, 20.7270, 19.1512



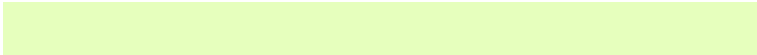
0.0000, 0.0000, 0.0000



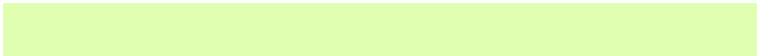
20.3446, 21.4041, 23.3091

Same Dimension

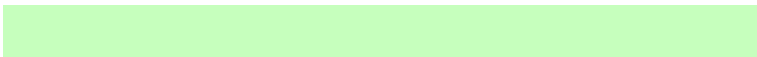
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.5789, 92.0173, 61.8177



74.6604, 90.6692, 54.6142



68.1821, 87.1731, 61.3780



18.8556, 20.7270, 19.1512



26.2665, 41.2790, 6.5832



2.6790, 4.0818, 0.6467

Inverse Universe

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



63.9802, 57.9126, 102.4139



58.9896, 51.3577, 101.4117



74.3245, 63.2453, 102.8980



17.6533, 17.7130, 22.7385



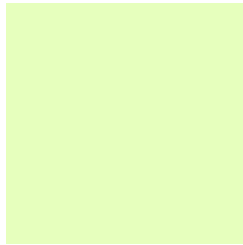
12.1372, 5.1675, 49.7923



1.2985, 0.5633, 4.8536

Previews

White Background



This preview shows how the XYZ color 77.5784, 92.0171, 61.8164 looks on a white background.

Color Contrast Check

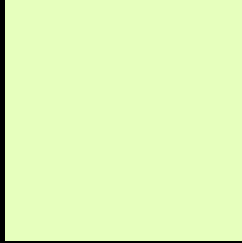
Large Text (above 18pt) WCAG AA × Fail

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 77.5784, 92.0171, 61.8164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

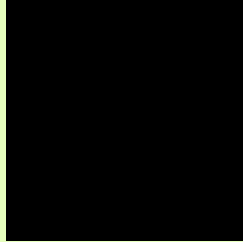
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

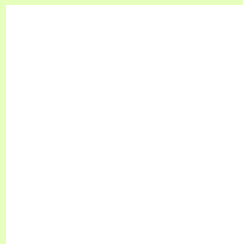
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.5784, 92.0171, 61.8164

Background



This preview shows how black text looks on a background with the XYZ color 77.5784, 92.0171, 61.8164.



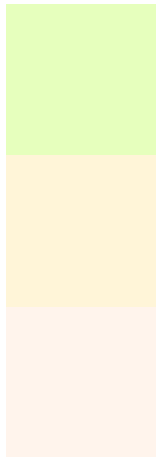
This preview shows how white text looks on a background with the XYZ color 77.5784, 92.0171,

61.8164.

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

77.5784, 92.0171, 61.8164

Protanopia

86.2871, 91.5227, 78.0836

Deuteranopia

88.7310, 92.0175, 92.4414

Tritanopia

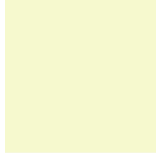
87.6646, 91.5795, 107.6639

Trichromacy



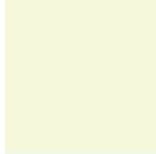
Original Color

77.5784, 92.0171, 61.8164



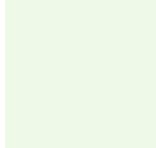
Protanomaly

83.0223, 91.8004, 71.7360



Deuteranomaly

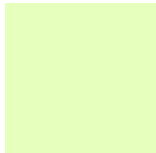
84.3596, 91.8421, 80.2989



Tritanomaly

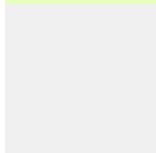
83.5594, 91.6980, 88.8967

Monochromacy



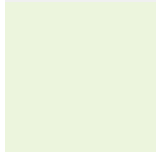
Original Color

77.5784, 92.0171, 61.8164



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.2956, 88.3581, 81.2294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.5784, 92.0171, 61.8164 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, 189)` looks like.

```
.text, #text, p{  
    color:rgb(230, 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(230, 255, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 189) }
```

Border

The CSS property to change the border of an element to XYZ 77.5784, 92.0171, 61.8164 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, 189) }
```


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

```
.border{ border-color:rgb(230, 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(230, 255, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(230, 255, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(230, 255, 189); box-shadow:4px 4px 4px 4px rgb(230, 255, 189) }
```

Background

The CSS property to change the background color of an element to XYZ 77.5784, 92.0171, 61.8164 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, 189) }
```

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

```
.background{ background-color: rgb(230,  
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](#).

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