

Converting Colors

XYZ(76.9244, 91.6674, 62.3550)

Have a look what the booklet for
XYZ(76.9244, 91.6674, 62.3550)
contains.

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Color

**XYZ(77.0492, 91.7317,
62.3603)**

Conversions

Conversions Part 1

Format	Color
Hex	E4FFBE
RGB	228, 255, 190
RGB Percent	89%, 100%, 75%
CMY	0.1059, 0.0000, 0.2549
CMYK	0.11, 0.00, 0.25, 0.00
HSL	85°, 100%, 87%
HSV	85°, 25%, 100%
XYZ	77.0492, 91.7317, 62.3603
YIQ	239.5170, 4.7730, -25.9390

Conversions

Conversions Part 2

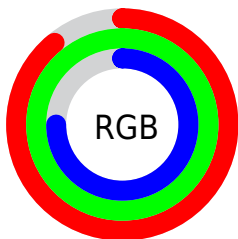
Format	Color
RYB	190, 255, 217
Decimal	15007678
CIELab	96.71, -19.61, 28.24
CIELCh	97, 34.381, 124.783
Yxy	91.7317, 0.3333, 0.3969
Android (android.graphics.Color)	4293197758 (0xFFE4FFBE)
YUV	239.5170, -24.4119, -10.1004
Hunter-Lab	95.7767, -24.0117, 28.4399

Details

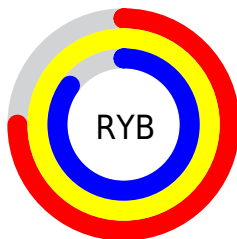
The XYZ color **77.0492, 91.7317, 62.3603** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.0797, 58.7999, 102.5272**, and the grayscale version is **82.6283, 86.9314, 94.6683**.

A 20% lighter version of the original color is **93.7885, 99.4954, 102.2570**, and **41.6513, 50.9364, 30.9290** is the 20% darker color. If you saturate the color by 10%, you get **71.2431, 89.0329, 48.7905**, and if you desaturate by 10%, it is **83.5498, 94.7322, 78.5105**.

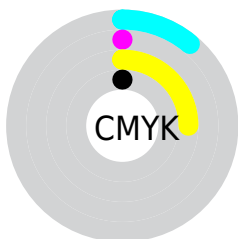
Distribution



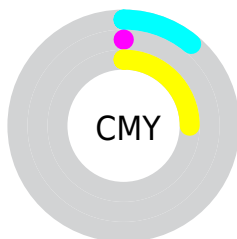
- Red (89%)
- Green (100%)
- Blue (75%)



- Red (75%)
- Yellow (100%)
- Blue (85%)



- Cyan (11%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.0492, 91.7317, 62.3603 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 77.0492, 91.7317, 62.3603 by changing the saturation by 10% instead.


 77.0492, 91.7317,
62.3603

 77.0492, 91.7317,
62.3603


473.8211,
533.6480, 451.2880

 57.5933, 69.4178,
44.8862


 128.1814,
149.7415, 109.8227

 41.7238, 51.0520,
31.0255


160.5884,
186.2062, 140.6482

 29.0752, 36.2500,
20.3597


198.0432,
228.1565, 176.7612

 19.2823, 24.6274,
12.4701

240.9112,
275.9770, 218.5802

 11.9797, 15.7996,
6.9383

289.5575,
330.0521, 266.5239

 6.8019, 9.3825,
3.3457

344.3478,

 3.3838, 4.9915,

390.7660, 321.0107

1.2737

405.6472,
458.5032, 382.4592

■ 1.3598, 2.2423,
0.0401

■ 0.2273, 0.7429,
0.0000

■ 77.0492, 91.7317,
62.3603

■ 77.0492, 91.7317,
62.3603

■ 71.2431, 89.0329,
48.7905

■ 83.5498, 94.7322,
78.5105

■ 66.1011, 86.6231,
37.6630

■ 90.7706, 98.0449,
97.3614

■ 61.5922, 84.4894,
28.8333

95.0500, 100.0000,
108.9000

■ 57.6818, 82.6176,
22.1397

■ 54.3313, 80.9918,
17.3995

■ 51.4961, 79.5937,
14.3995

■ 49.1220, 78.4011,
12.8760

■ 48.1683, 77.9167,
12.5007

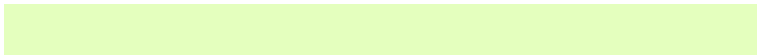
Harmonies

Analogous

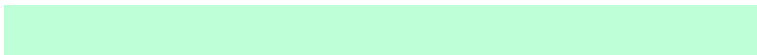
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6539, 91.7317, 55.8188



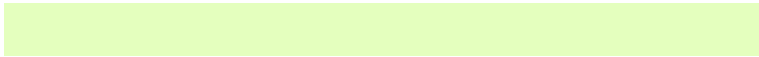
77.0492, 91.7317, 62.3603



71.4911, 91.7317, 78.9539

Triad

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



77.0492, 91.7317, 62.3603



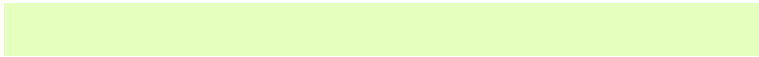
79.5372, 91.7317, 155.9267



106.9656, 91.7317, 95.5250

Complementary

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



77.0492, 91.7317, 62.3603



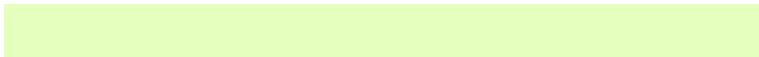
65.0797, 58.7999, 102.5272

Split Complementary

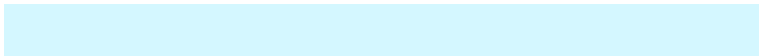
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



105.0296, 91.7317, 124.2115



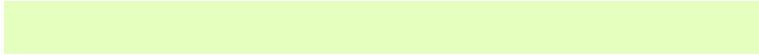
77.0492, 91.7317, 62.3603



88.7407, 91.7317, 162.5692

Square

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



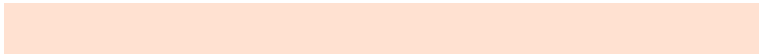
77.0492, 91.7317, 62.3603



72.8518, 91.7317, 133.2770



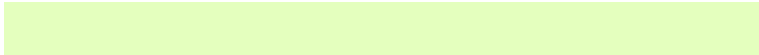
98.1799, 91.7317, 150.0537



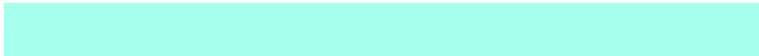
103.2920, 91.7317, 72.5879

Rectangle

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



77.0492, 91.7317, 62.3603



70.0231, 91.7317, 95.1369



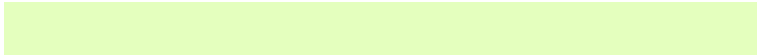
98.1799, 91.7317, 150.0537



106.9516, 91.7317, 104.7787

Sweetspot

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



77.0497, 91.7319, 62.3616



88.8885, 97.1832, 92.3679



75.0908, 74.0903, 59.0597



18.7892, 20.6927, 19.1481



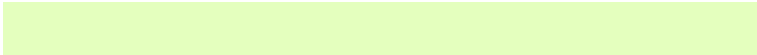
0.0000, 0.0000, 0.0000



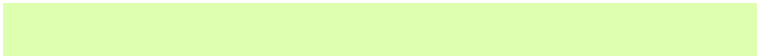
20.3446, 21.4041, 23.3091

Same Dimension

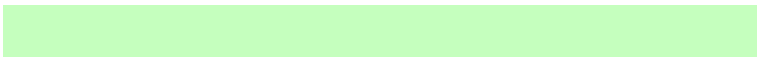
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.0497, 91.7319, 62.3616



73.7659, 90.2081, 54.5724



67.9503, 87.0410, 61.9358



18.7892, 20.6927, 19.1481



25.3429, 40.8028, 6.5400



2.5920, 4.0370, 0.6426

Inverse Universe

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



65.0797, 58.7999, 102.5272



59.7996, 51.7752, 101.4496



75.3530, 64.0960, 103.0080



17.7178, 17.7463, 22.7415



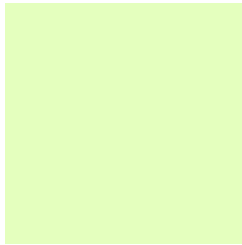
12.6929, 5.4539, 49.8183



1.3567, 0.5933, 4.8563

Previews

White Background



This preview shows how the XYZ color 77.0492, 91.7317, 62.3603 looks on a white background.

Color Contrast Check

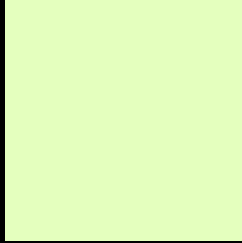
Large Text (above 18pt) WCAG AA × Fail

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 77.0492, 91.7317, 62.3603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

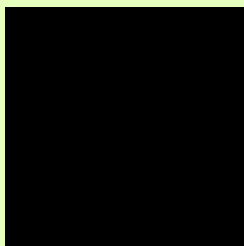
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

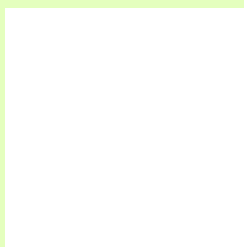
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.0492, 91.7317, 62.3603

Background



This preview shows how black text looks on a background with the XYZ color 77.0492, 91.7317, 62.3603.



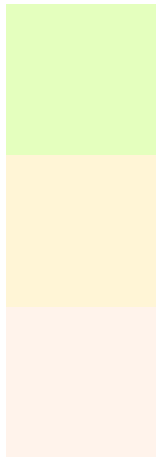
This preview shows how white text looks on a background with the XYZ color 77.0492, 91.7317,

62.3603.

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

77.0492, 91.7317, 62.3603

Protanopia

86.0300, 91.4199, 76.7299

Deuteranopia

88.2860, 91.3593, 91.5782

Tritanopia

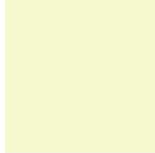
87.3204, 91.4021, 107.6478

Trichromacy



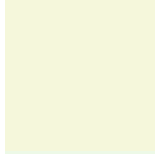
Original Color

77.0492, 91.7317, 62.3603



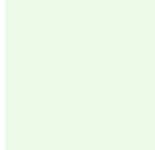
Protanomaly

82.5513, 91.5716, 71.0818



Deuteranomaly

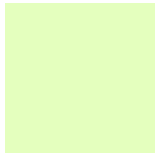
83.7031, 91.0485, 80.1803



Tritanomaly

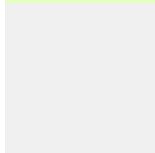
83.2245, 91.5254, 88.8811

Monochromacy



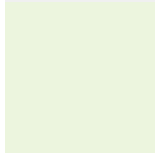
Original Color

77.0492, 91.7317, 62.3603



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 77.0492, 91.7317, 62.3603 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(228, 255, 190)` looks like.

```
.text, #text, p{  
    color:rgb(228, 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(228, 255, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 190) }
```

Border

The CSS property to change the border of an element to XYZ 77.0492, 91.7317, 62.3603 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(228, 255, 190) }
```


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

```
.border{ border-color:rgb(228, 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(228, 255, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 255, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 255, 190);  
box-shadow:4px 4px 4px 4px rgb(228, 255,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 77.0492, 91.7317, 62.3603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 255, 190) }
```

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

```
.background{ background-color: rgb(228,  
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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