

Converting Colors

XYZ(77.8915, 92.1501, 63.1160)

Have a look what the booklet for
XYZ(77.8915, 92.1501, 63.1160)
contains.

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Color

**XYZ(77.7971, 92.1046,
62.9678)**

Conversions

Conversions Part 1

Format	Color
Hex	E6FFBF
RGB	230, 255, 191
RGB Percent	90%, 100%, 75%
CMY	0.0980, 0.0000, 0.2510
CMYK	0.10, 0.00, 0.25, 0.00
HSL	83°, 100%, 87%
HSV	83°, 25%, 100%
XYZ	77.7971, 92.1046, 62.9678
YIQ	240.2290, 5.6440, -25.2040

Conversions

Conversions Part 2

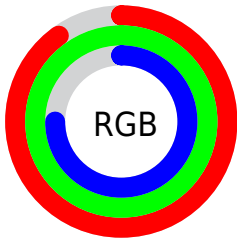
Format	Color
RYB	191, 255, 216
Decimal	15138751
CIELab	96.86, -18.77, 27.96
CIELCh	97, 33.677, 123.867
Yxy	92.1046, 0.3341, 0.3955
Android (android.graphics.Color)	4293328831 (0xFFE6FFBF)
YUV	240.2290, -24.2699, -8.9708
Hunter-Lab	95.9711, -23.2520, 28.2789

Details

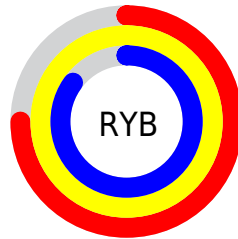
The XYZ color **77.7971, 92.1046, 62.9678** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.0006, 59.0817, 102.5858**, and the grayscale version is **83.1842, 87.5163, 95.3052**.

A 20% lighter version of the original color is **93.9433, 99.5573, 103.0721**, and **42.1650, 51.1930, 31.3258** is the 20% darker color. If you saturate the color by 10%, you get **72.1246, 89.4768, 49.3068**, and if you desaturate by 10%, it is **84.1419, 95.0225, 79.2131**.

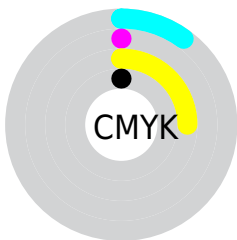
Distribution



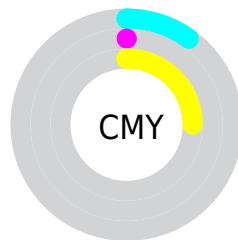
- Red (90%)
- Green (100%)
- Blue (75%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.7971, 92.1046, 62.9678 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 77.7971, 92.1046, 62.9678 by changing the saturation by 10% instead.


 77.7971, 92.1046,
62.9678

 77.7971, 92.1046,
62.9678


476.3278,
534.8535, 453.5573

 58.2095, 69.7275,
45.3743


 129.2309,
150.2584, 110.7082

 42.2210, 51.3044,
31.4073


161.8079,
186.8038, 141.6922

 29.4663, 36.4509,
20.6481

199.4454,
228.8408, 177.9767

 19.5799, 24.7827,
12.6783

242.5087,
276.7539, 219.9805

 12.1965, 15.9152,
7.0793

291.3633,
330.9272, 268.1218

 6.9508, 9.4642,
3.4325

346.3744,

 3.4774, 5.0452,

391.7454, 322.8194

1.3195

407.9075,
459.5927, 384.4917

■ 1.4110, 2.2738,
0.0777

■ 0.2640, 0.7598,
0.0000

■ 77.7971, 92.1046,
62.9678

■ 77.7971, 92.1046,
62.9678

■ 72.1246, 89.4768,
49.3068

■ 84.1419, 95.0225,
79.2131

■ 67.0945, 87.1267,
38.0927

■ 91.1840, 98.2407,
98.1626

■ 62.6768, 85.0419,
29.1812

95.0500, 100.0000,
108.9000

■ 58.8376, 83.2086,
22.4115

■ 55.5393, 81.6113,
17.6019

■ 52.7382, 80.2322,
14.5407

■ 50.3815, 79.0496,
12.9669

■ 49.3525, 78.5272,
12.5561

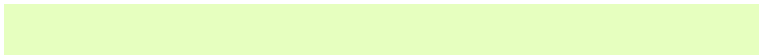
Harmonies

Analogous

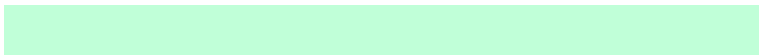
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3223, 92.1046, 56.7909



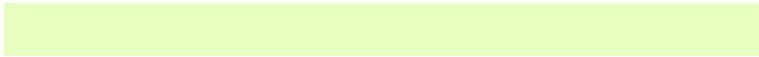
77.7971, 92.1046, 62.9678



72.2141, 92.1046, 79.0564

Triad

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



77.7971, 92.1046, 62.9678



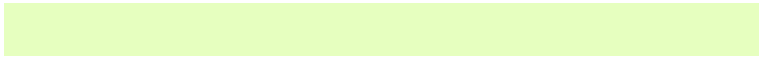
79.7766, 92.1046, 154.6702



106.9635, 92.1046, 96.8157

Complementary

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



77.7971, 92.1046, 62.9678



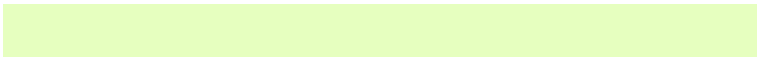
65.0006, 59.0817, 102.5858

Split Complementary

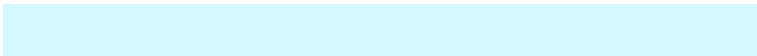
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



104.9000, 92.1046, 125.0124



77.7971, 92.1046, 62.9678



88.7745, 92.1046, 161.7216

Square

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



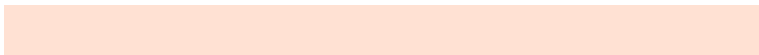
77.7971, 92.1046, 62.9678



73.2978, 92.1046, 132.1900



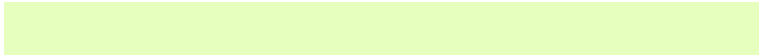
98.0699, 92.1046, 150.0301



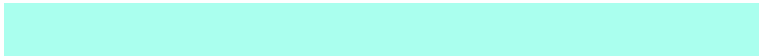
103.5229, 92.1046, 73.9791

Rectangle

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



77.7971, 92.1046, 62.9678



70.6818, 92.1046, 94.8256



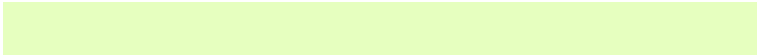
98.0699, 92.1046, 150.0301



106.8918, 92.1046, 105.9526

Sweetspot

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



77.7976, 92.1048, 62.9691



89.0664, 97.2749, 92.3762



75.0810, 73.8953, 59.5975



18.8341, 20.7159, 19.1502



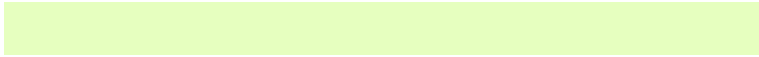
0.0000, 0.0000, 0.0000



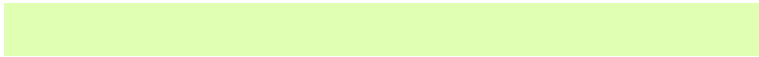
20.3446, 21.4041, 23.3091

Same Dimension

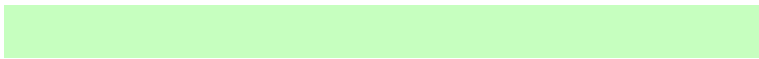
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.7976, 92.1048, 62.9691



74.9340, 90.7808, 55.9562



68.5767, 87.3512, 62.5376



18.8341, 20.7159, 19.1502



25.9602, 41.1210, 6.5689



2.6503, 4.0670, 0.6453

Inverse Universe

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



65.0006, 59.0817, 102.5858



60.1903, 52.7256, 101.6124



75.2275, 64.3539, 103.0644



17.6741, 17.7237, 22.7394



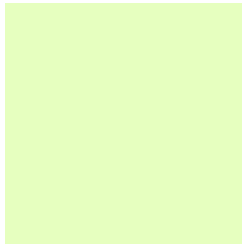
12.3103, 5.2567, 49.8004



1.3168, 0.5728, 4.8544

Previews

White Background



This preview shows how the XYZ color 77.7971, 92.1046, 62.9678 looks on a white background.

Color Contrast Check

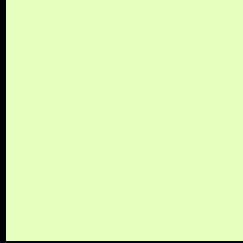
Large Text (above 18pt) WCAG AA × Fail

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 77.7971, 92.1046, 62.9678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

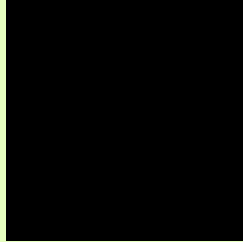
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

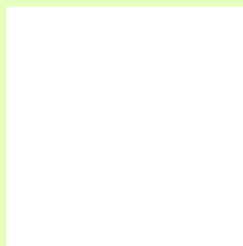
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.7971, 92.1046, 62.9678

Background



This preview shows how black text looks on a background with the XYZ color 77.7971, 92.1046, 62.9678.



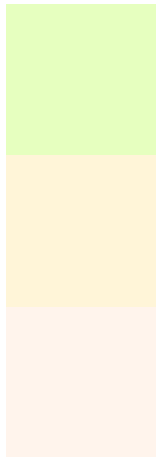
This preview shows how white text looks on a background with the XYZ color 77.7971, 92.1046,

62.9678.

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

77.7971, 92.1046, 62.9678

Protanopia

86.2871, 91.5227, 78.0836

Deuteranopia

88.7310, 92.0175, 92.4414

Tritanopia

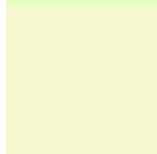
87.6646, 91.5795, 107.6639

Trichromacy



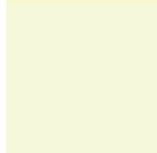
Original Color

77.7971, 92.1046, 62.9678



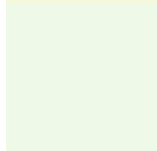
Protanomaly

83.1442, 91.8492, 72.3780



Deuteranomaly

84.4917, 91.8949, 80.9945



Tritanomaly

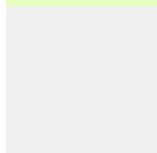
83.7011, 91.7547, 89.6428

Monochromacy



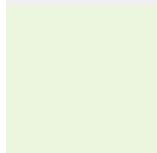
Original Color

77.7971, 92.1046, 62.9678



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 77.7971, 92.1046, 62.9678 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, 191)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 191)  
}
```

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, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 191) }
```

Border

The CSS property to change the border of an element to XYZ 77.7971, 92.1046, 62.9678 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, 191) }
```


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

```
.border{ border-color:rgb(230, 255, 191) }
```

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, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 191);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 77.7971, 92.1046, 62.9678 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, 191) }
```

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

```
.background{ background-color: rgb(230,  
255, 191) }
```

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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