

Converting Colors

XYZ(87.2450, 110.7524,
73.2445)

Have a look what the booklet for
XYZ(87.2450, 110.7524, 73.2445)
contains.

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Color

**XYZ(77.9035, 92.0005,
70.1518)**

Conversions

Conversions Part 1

Format	Color
Hex	E2FFCB
RGB	226, 255, 203
RGB Percent	89%, 100%, 80%
CMY	0.1137, 0.0000, 0.2039
CMYK	0.11, 0.00, 0.20, 0.00
HSL	93°, 100%, 90%
HSV	93°, 20%, 100%
XYZ	77.9035, 92.0005, 70.1518
YIQ	240.4010, -0.5920, -22.3200

Conversions

Conversions Part 2

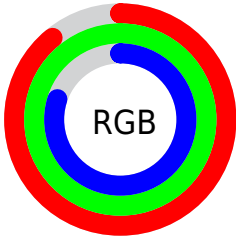
Format	Color
RYB	203, 255, 232
Decimal	14876619
CIELab	96.82, -18.37, 21.78
CIELCh	97, 28.492, 130.147
Yxy	92.0005, 0.3245, 0.3832
Android (android.graphics.Color)	4293066699 (0xFFE2FFCB)
YUV	240.4010, -18.4387, -12.6297
Hunter-Lab	95.9169, -22.8772, 23.7782

Details

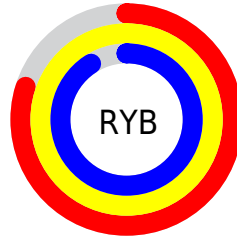
The XYZ color **77.9035, 92.0005, 70.1518** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.6855, 67.0889, 103.7262**, and the grayscale version is **83.2784, 87.6154, 95.4132**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1965, 51.1041, 36.0739** is the 20% darker color. If you saturate the color by 10%, you get **70.8339, 88.6787, 55.2412**, and if you desaturate by 10%, it is **85.8441, 95.7136, 87.7149**.

Distribution



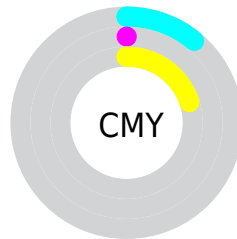
- Red (89%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (91%)



- Cyan (11%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)



- Cyan (11%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9035, 92.0005, 70.1518 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 77.9035, 92.0005, 70.1518 by changing the saturation by 10% instead.

77.9035, 92.0005,
70.1518

77.9035, 92.0005,
70.1518

476.6839,
534.5171, 479.8863

58.2972, 69.6410,
51.1727

129.3802,
150.1141, 121.1084

42.2918, 51.2340,
35.9684

161.9813,
186.6370, 153.9229

29.5220, 36.3948,
24.1203

199.6447,
228.6499, 192.1864

19.6223, 24.7393,
15.2099

242.7357,
276.5371, 236.3173

12.2275, 15.8829,
8.8185

291.6198,
330.6830, 286.7342

6.9721, 9.4413,
4.5278

346.6623,

3.4908, 5.0302,

391.4721, 343.8557

1.9191

408.2286,
459.2886, 408.1002

■ 1.4183, 2.2650,
0.5049

■ 0.2692, 0.7551,
0.0000

■ 77.9035, 92.0005,
70.1518

■ 77.9035, 92.0005,
70.1518

■ 70.8339, 88.6787,
55.2412

■ 85.8441, 95.7136,
87.7149

■ 64.6002, 85.7329,
42.8500

94.6853, 99.8305,
108.0465

■ 59.1672, 83.1481,
32.8397

95.0500, 100.0000,
108.9000

■ 54.4962, 80.9075,
25.0569

■ 50.5447, 78.9931,
19.3303

■ 47.2649, 77.3845,
15.4634

■ 44.6012, 76.0581,
13.2218

■ 42.5428, 75.0166,
12.2374

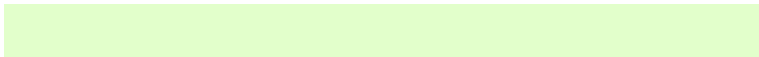
Harmonies

Analogous

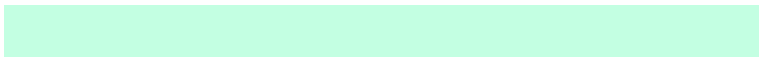
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.7638, 92.0005, 62.7898



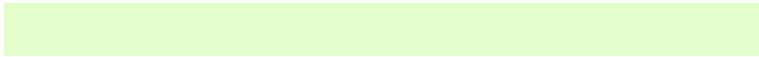
77.9035, 92.0005, 70.1518



73.7691, 92.0005, 85.9548

Triad

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



77.9035, 92.0005, 70.1518



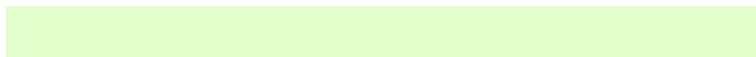
82.3270, 92.0005, 147.5416



103.4628, 92.0005, 92.6165

Complementary

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



77.9035, 92.0005, 70.1518



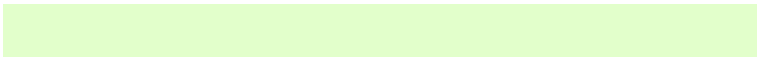
72.6855, 67.0889, 103.7262

Split Complementary

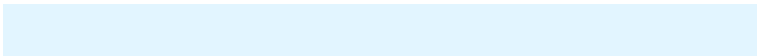
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.7117, 92.0005, 115.8783



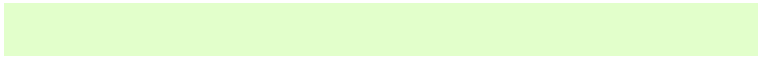
77.9035, 92.0005, 70.1518



90.1795, 92.0005, 150.0513

Square

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



77.9035, 92.0005, 70.1518



76.2132, 92.0005, 131.3187



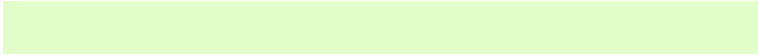
97.7326, 92.0005, 137.7289



99.7266, 92.0005, 74.3878

Rectangle

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



77.9035, 92.0005, 70.1518



72.9566, 92.0005, 100.2857



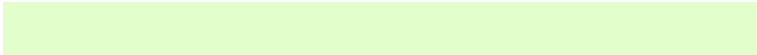
97.7326, 92.0005, 137.7289



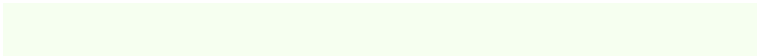
103.7319, 92.0005, 100.0602

Sweetspot

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



77.9041, 92.0008, 70.1532



89.6138, 97.4709, 96.2952



80.7642, 83.0607, 68.2768



19.0586, 20.8058, 20.3307



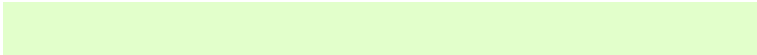
0.0000, 0.0000, 0.0000



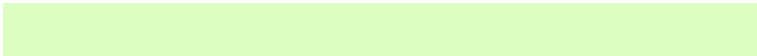
20.3446, 21.4041, 23.3091

Same Dimension

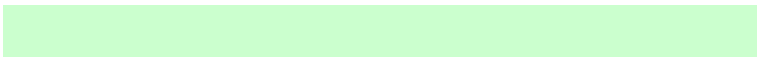
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.9041, 92.0008, 70.1532



75.2541, 90.7577, 64.4729



71.4815, 88.6537, 71.4838



18.5341, 20.5612, 19.1362



22.3946, 39.2829, 6.4020



2.3036, 3.8883, 0.6291

Inverse Universe

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



72.6855, 67.0889, 103.7262



69.2703, 62.1973, 102.9621



80.2306, 71.0265, 101.9091



17.9720, 17.8773, 22.7534



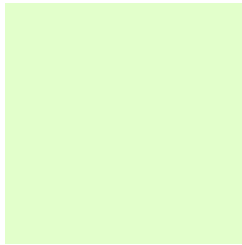
15.4540, 6.8773, 49.9475



1.6304, 0.7344, 4.8691

Previews

White Background



This preview shows how the XYZ color 77.9035, 92.0005, 70.1518 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 77.9035, 92.0005, 70.1518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

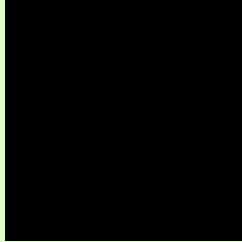
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

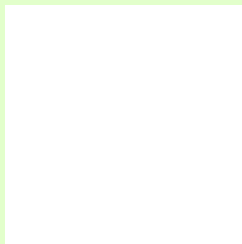
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.9035, 92.0005, 70.1518

Background



This preview shows how black text looks on a background with the XYZ color 77.9035, 92.0005, 70.1518.

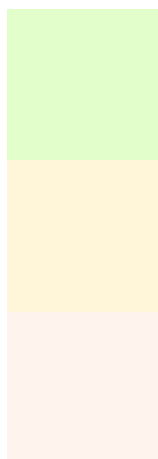


This preview shows how white text looks on a background with the XYZ color 77.9035, 92.0005,

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

77.9035, 92.0005, 70.1518

Protanopia

86.4168, 91.5746, 78.7666

Deuteranopia

88.5767, 91.4756, 93.1088

Tritanopia

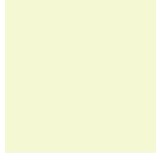
87.2814, 91.8323, 107.7329

Trichromacy



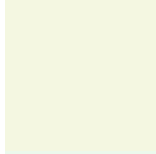
Original Color

77.9035, 92.0005, 70.1518



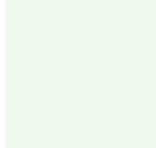
Protanomaly

83.0676, 91.7379, 75.6164



Deuteranomaly

84.1596, 91.1909, 84.4001



Tritanomaly

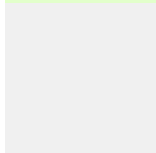
83.6081, 91.6404, 92.6386

Monochromacy



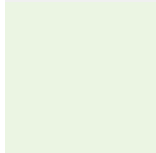
Original Color

77.9035, 92.0005, 70.1518



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.7785, 88.5130, 85.5003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9035, 92.0005, 70.1518 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(226, 255, 203)` looks like.

```
.text, #text, p{  
    color:rgb(226, 255, 203)  
}
```

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(226, 255, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 255, 203) }
```

Border

The CSS property to change the border of an element to XYZ 77.9035, 92.0005, 70.1518 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(226, 255, 203) }
```


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

```
.border{ border-color:rgb(226, 255, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 255, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 255, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 255, 203);  
box-shadow:4px 4px 4px 4px rgb(226, 255,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9035, 92.0005, 70.1518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 255, 203) }
```

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

```
.background{ background-color: rgb(226,  
255, 203) }
```

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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