

Converting Colors

XYZ(77.2030, 91.7204, 66.4602)

Have a look what the booklet for
XYZ(77.2030, 91.7204, 66.4602)
contains.

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Color

**XYZ(77.2021, 91.7200,
66.4581)**

Conversions

Conversions Part 1

Format	Color
Hex	E2FFC5
RGB	226, 255, 197
RGB Percent	89%, 100%, 77%
CMY	0.1137, 0.0000, 0.2274
CMYK	0.11, 0.00, 0.23, 0.00
HSL	90°, 100%, 89%
HSV	90°, 23%, 100%
XYZ	77.2021, 91.7200, 66.4581
YIQ	239.7170, 1.3340, -24.1860

Conversions

Conversions Part 2

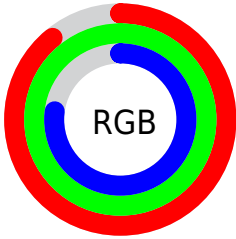
Format	Color
RYB	197, 255, 226
Decimal	14876613
CIELab	96.71, -19.28, 24.67
CIElCh	97, 31.311, 128.016
Yxy	91.7200, 0.3280, 0.3897
Android (android.graphics.Color)	4293066693 (0xFFE2FFC5)
YUV	239.7170, -21.0595, -12.0298
Hunter-Lab	95.7706, -23.7069, 25.8963

Details

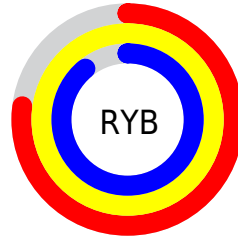
The XYZ color **77.2021, 91.7200, 66.4581** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.3812, 63.3225, 103.1734**, and the grayscale version is **82.7613, 87.0713, 94.8206**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **41.7296, 50.9174, 33.6153** is the 20% darker color. If you saturate the color by 10%, you get **70.6720, 88.6631, 52.1685**, and if you desaturate by 10%, it is **84.5248, 95.1283, 83.3674**.

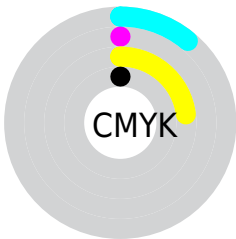
Distribution



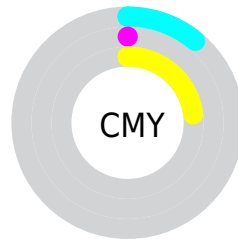
- Red (89%)
- Green (100%)
- Blue (77%)



- Red (77%)
- Yellow (100%)
- Blue (89%)



- Cyan (11%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)



- Cyan (11%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2021, 91.7200, 66.4581 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 77.2021, 91.7200, 66.4581 by changing the saturation by 10% instead.

77.2021, 91.7200,
66.4581

77.2021, 91.7200,
66.4581

474.3342,
533.6102, 466.4623

57.7193, 69.4081,
48.1855

128.3961,
149.7253, 115.7768

41.8254, 51.0441,
33.6128

160.8379,
186.1874, 147.6601

29.1551, 36.2437,
22.3214

198.3301,
228.1351, 184.9174

19.3431, 24.6225,
13.8926

241.2380,
275.9527, 227.9671

12.0239, 15.7960,
7.9081

289.9270,
330.0246, 277.2280

6.8323, 9.3799,
3.9493

344.7625,

3.4028, 4.9898,

390.7352, 333.1184

1.5976

406.1098,
458.4690, 396.0570

■ 1.3702, 2.2413,
0.2891

■ 0.2348, 0.7424,
0.0000

■ 77.2021, 91.7200,
66.4581

■ 77.2021, 91.7200,
66.4581

■ 70.6720, 88.6631,
52.1685

■ 84.5248, 95.1283,
83.3674

■ 64.9019, 85.9438,
40.3632

■ 92.6681, 98.8999,
103.0142

■ 59.8584, 83.5480,
30.9011

■ 95.0500, 100.0000,
108.9000

■ 55.5050, 81.4603,
23.6250

■ 51.8010, 79.6636,
18.3587

■ 48.7006, 78.1386,
14.8986

■ 46.1489, 76.8626,
12.9977

■ 44.5869, 76.0704,
12.3331

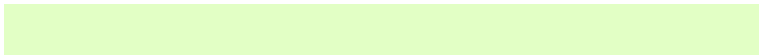
Harmonies

Analogous

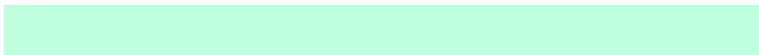
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8474, 91.7200, 59.2854



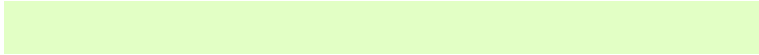
77.2021, 91.7200, 66.4581



72.4619, 91.7200, 82.8640

Triad

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



77.2021, 91.7200, 66.4581



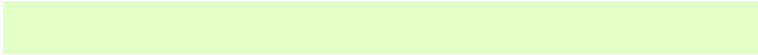
81.0180, 91.7200, 151.6549



104.9568, 91.7200, 93.2853

Complementary

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



77.2021, 91.7200, 66.4581



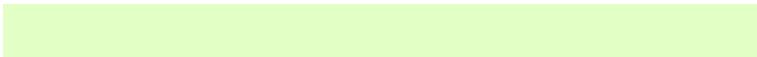
69.3812, 63.3225, 103.1734

Split Complementary

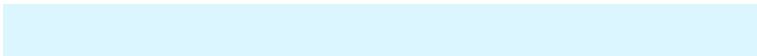
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.7608, 91.7200, 119.0511



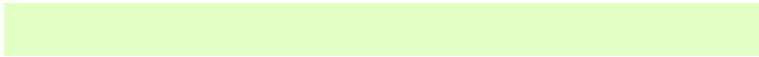
77.2021, 91.7200, 66.4581



89.5490, 91.7200, 155.7046

Square

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



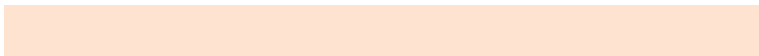
77.2021, 91.7200, 66.4581



74.5599, 91.7200, 132.6480



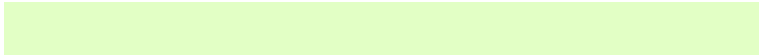
97.9763, 91.7200, 142.9332



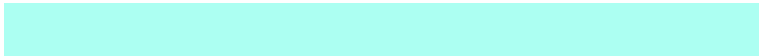
101.1430, 91.7200, 72.9882

Rectangle

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



77.2021, 91.7200, 66.4581



71.3926, 91.7200, 98.2058



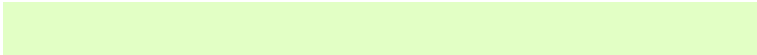
97.9763, 91.7200, 142.9332



105.1319, 91.7200, 101.5479

Sweetspot

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



77.2026, 91.7202, 66.4595



89.1003, 97.2496, 94.3107



78.5150, 79.6847, 64.0672



18.9655, 20.7665, 19.9310



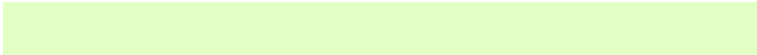
0.0000, 0.0000, 0.0000



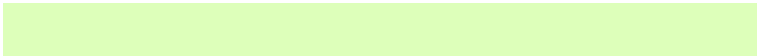
20.3446, 21.4041, 23.3091

Same Dimension

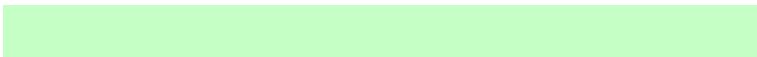
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.2026, 91.7202, 66.4595



74.3283, 90.3770, 60.0650



68.8649, 87.4219, 66.0693



18.6369, 20.6143, 19.1410



23.4698, 39.8372, 6.4524



2.4111, 3.9437, 0.6341

Inverse Universe

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



69.3812, 63.3225, 103.1734



65.3302, 57.7066, 102.3030



79.2568, 68.4135, 103.6356



17.8684, 17.8239, 22.7485



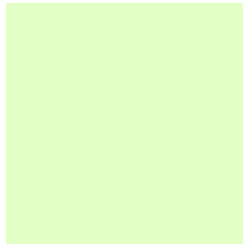
14.2161, 6.2392, 49.8896



1.5101, 0.6724, 4.8635

Previews

White Background



This preview shows how the XYZ color 77.2021, 91.7200, 66.4581 looks on a white background.

Color Contrast Check

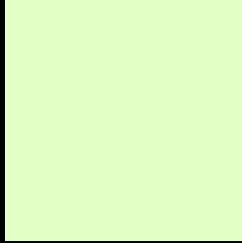
Large Text (above 18pt) WCAG AA × Fail

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 77.2021, 91.7200, 66.4581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

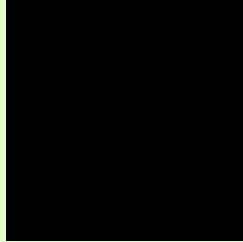
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

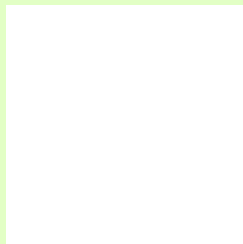
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.2021, 91.7200, 66.4581

Background



This preview shows how black text looks on a background with the XYZ color 77.2021, 91.7200, 66.4581.

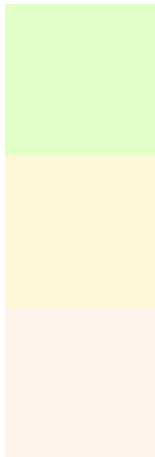


This preview shows how white text looks on a background with the XYZ color 77.2021, 91.7200,

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

77.2021, 91.7200, 66.4581

Protanopia

86.1581, 91.4711, 77.4046

Deuteranopia

88.4309, 91.4173, 92.3414



Tritanopia

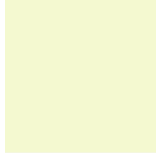
86.9780, 91.2256, 107.6318

Trichromacy



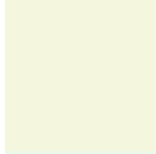
Original Color

77.2021, 91.7200, 66.4581



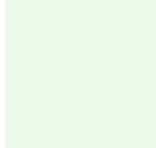
Protanomaly

82.5691, 91.5385, 72.9914



Deuteranomaly

83.7538, 91.0286, 82.2632



Tritanomaly

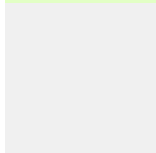
83.3190, 91.5247, 91.1166

Monochromacy



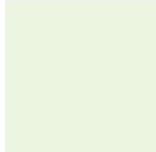
Original Color

77.2021, 91.7200, 66.4581



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.3679, 88.3488, 83.3382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.2021, 91.7200, 66.4581 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, 197)` looks like.

```
.text, #text, p{  
    color:rgb(226, 255, 197)  
}
```

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, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 255, 197) }
```

Border

The CSS property to change the border of an element to XYZ 77.2021, 91.7200, 66.4581 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, 197) }
```


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

```
.border{ border-color:rgb(226, 255, 197) }
```

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, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 255, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 255, 197);  
box-shadow:4px 4px 4px 4px rgb(226, 255,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2021, 91.7200, 66.4581 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, 197) }
```

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

```
.background{ background-color: rgb(226,  
255, 197) }
```

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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