

Converting Colors

XYZ(77.2367, 91.6977, 68.2722)

Have a look what the booklet for
XYZ(77.2367, 91.6977, 68.2722)
contains.

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Color

**XYZ(77.2367, 91.6977,
68.2722)**

Conversions

Conversions Part 1

Format	Color
Hex	E1FFC8
RGB	225, 255, 200
RGB Percent	88%, 100%, 78%
CMY	0.1176, 0.0000, 0.2157
CMYK	0.12, 0.00, 0.22, 0.00
HSL	93°, 100%, 89%
HSV	93°, 22%, 100%
XYZ	77.2367, 91.6977, 68.2722
YIQ	239.7600, -0.2250, -23.4650

Conversions

Conversions Part 2

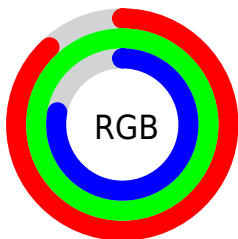
Format	Color
R _Y B	200, 255, 230
Decimal	14811080
CIE Lab	96.70, -19.18, 23.12
CIE LCh	97, 30.039, 129.668
Yxy	91.6977, 0.3256, 0.3866
Android (android.graphics.Color)	4293001160 (0xFFE1FFC8)
YUV	239.7600, -19.6017, -12.9445
Hunter-Lab	95.7589, -23.6046, 24.7599

Details

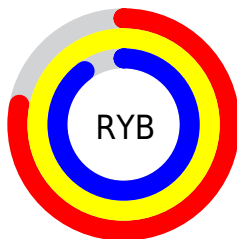
The XYZ color **77.2367, 91.6977, 68.2722** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.3383, 65.3528, 103.4622**, and the grayscale version is **82.7848, 87.0960, 94.8476**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7446, 50.8985, 34.8184** is the 20% darker color. If you saturate the color by 10%, you get **70.3394, 88.4581, 53.6684**, and if you desaturate by 10%, it is **84.9855, 95.3188, 85.5130**.

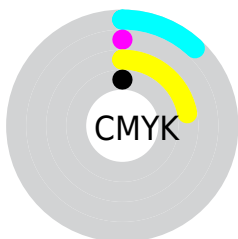
Distribution



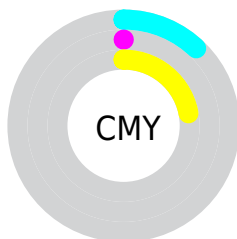
- Red (88%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (90%)



- Cyan (12%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)



- Cyan (12%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2367, 91.6977, 68.2722 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 77.2367, 91.6977, 68.2722 by changing the saturation by 10% instead.

77.2367, 91.6977,
68.2722

77.2367, 91.6977,
68.2722

474.4503,
533.5381, 473.0841

57.7478, 69.3896,
49.6511

128.4446,
149.6943, 118.3994

41.8484, 51.0290,
34.7670

160.8943,
186.1516, 150.7425

29.1732, 36.2317,
23.2014

198.3950,
228.0941, 188.4968

19.3568, 24.6132,
14.5356

241.3120,
275.9062, 232.0808

12.0339, 15.7891,
8.3511

290.0106,
329.9722, 281.9130

6.8391, 9.3751,
4.2294

344.8563,

3.4071, 4.9866,

390.6766, 338.4119

1.7520

406.2144,
458.4038, 401.9960

■ 1.3725, 2.2394,
0.3960

■ 0.2365, 0.7414,
0.0000

■ 77.2367, 91.6977,
68.2722

■ 77.2367, 91.6977,
68.2722

■ 70.3394, 88.4581,
53.6684

■ 84.9855, 95.3188,
85.5130

■ 64.2588, 85.5850,
41.5675

■ 93.6152, 99.3339,
105.5079

■ 58.9603, 83.0635,
31.8295

■ 95.0500, 100.0000,
108.9000

■ 54.4052, 80.8773,
24.2992

■ 50.5513, 79.0082,
18.8029

■ 47.3507, 77.4360,
15.1406

■ 44.7476, 76.1371,
13.0716

■ 42.9503, 75.2267,
12.2565

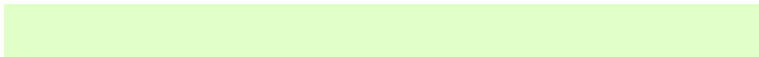
Harmonies

Analogous

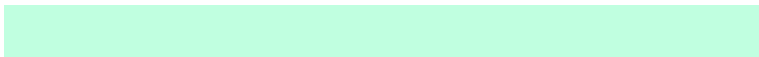
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4685, 91.6977, 60.7980



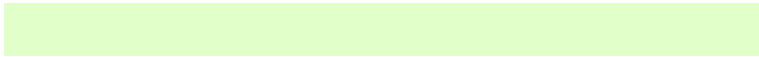
77.2367, 91.6977, 68.2722



72.8566, 91.6977, 84.6026

Triad

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



77.2367, 91.6977, 68.2722



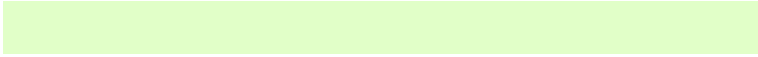
81.6578, 91.6977, 149.8634



104.0865, 91.6977, 92.2665

Complementary

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



77.2367, 91.6977, 68.2722



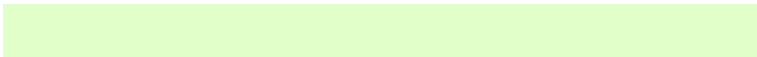
71.3383, 65.3528, 103.4622

Split Complementary

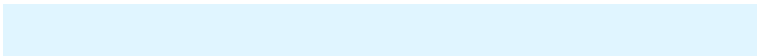
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.2136, 91.6977, 116.8123



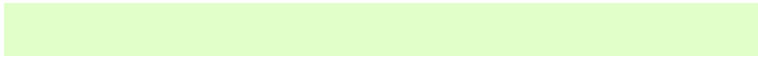
77.2367, 91.6977, 68.2722



89.8997, 91.6977, 152.8023

Square

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



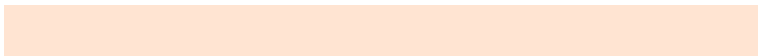
77.2367, 91.6977, 68.2722



75.2929, 91.6977, 132.4156



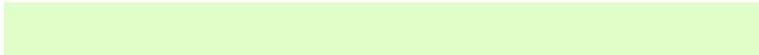
97.8900, 91.6977, 139.8977



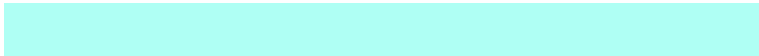
100.2038, 91.6977, 73.1050

Rectangle

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



77.2367, 91.6977, 68.2722



71.9665, 91.6977, 99.5754



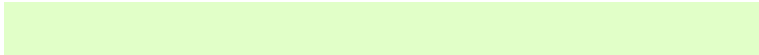
97.8900, 91.6977, 139.8977



104.3450, 91.6977, 100.1115

Sweetspot

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



77.2373, 91.6980, 68.2736



89.6797, 97.5049, 96.2983



79.7775, 81.6541, 66.2010



19.0742, 20.8138, 20.3314



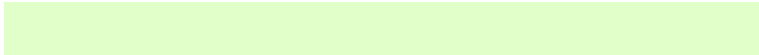
0.0000, 0.0000, 0.0000



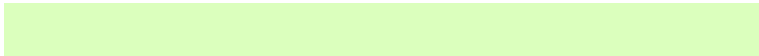
20.3446, 21.4041, 23.3091

Same Dimension

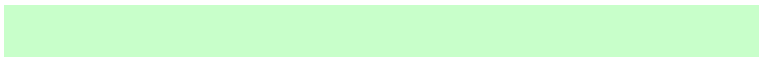
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.2373, 91.6980, 68.2736



74.0769, 90.2158, 61.4827



70.2212, 88.0561, 69.0705



18.5558, 20.5725, 19.1372



22.6094, 39.3937, 6.4121



2.3254, 3.8995, 0.6301

Inverse Universe

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



71.3383, 65.3528, 103.4622



67.1920, 59.4719, 102.5456



79.6510, 69.6721, 102.3178



17.9500, 17.8659, 22.7524



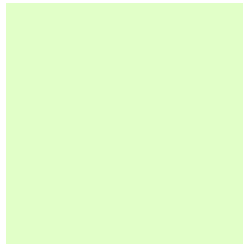
15.1775, 6.7348, 49.9346



1.6038, 0.7207, 4.8679

Previews

White Background



This preview shows how the XYZ color 77.2367, 91.6977, 68.2722 looks on a white background.

Color Contrast Check

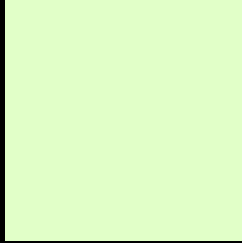
Large Text (above 18pt) WCAG AA × Fail

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 77.2367, 91.6977, 68.2722 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

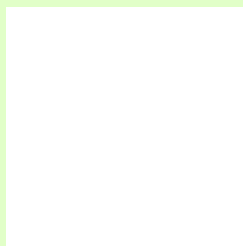
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.2367, 91.6977, 68.2722

Background



This preview shows how black text looks on a background with the XYZ color 77.2367, 91.6977, 68.2722.



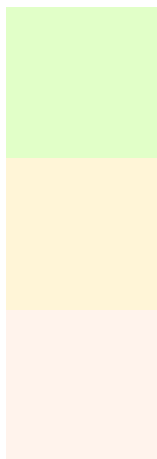
This preview shows how white text looks on a background with the XYZ color 77.2367, 91.6977,

68.2722.

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

77.2367, 91.6977, 68.2722

Protanopia

86.1581, 91.4711, 77.4046

Deuteranopia

88.4309, 91.4173, 92.3414



Tritanopia

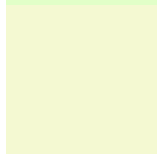
86.9409, 91.6568, 107.7170

Trichromacy



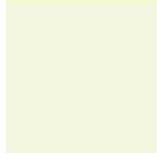
Original Color

77.2367, 91.6977, 68.2722



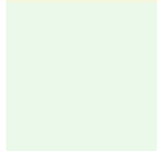
Protanomaly

82.8168, 91.6376, 74.2957



Deuteranomaly

83.8883, 91.0823, 82.9713



Tritanomaly

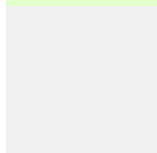
83.1320, 91.4117, 91.8600

Monochromacy



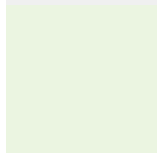
Original Color

77.2367, 91.6977, 68.2722



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.5040, 88.4032, 84.0547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.2367, 91.6977, 68.2722 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(225, 255, 200)` looks like.

```
.text, #text, p{  
    color:rgb(225, 255, 200)  
}
```

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(225, 255, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 255, 200) }
```

Border

The CSS property to change the border of an element to XYZ 77.2367, 91.6977, 68.2722 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(225, 255, 200) }
```


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

```
.border{ border-color:rgb(225, 255, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 255, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 255, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 255, 200);  
box-shadow:4px 4px 4px 4px rgb(225, 255,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2367, 91.6977, 68.2722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 255, 200) }
```

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

```
.background{ background-color: rgb(225,  
255, 200) }
```

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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