

Converting Colors

XYZ(81.7840, 100.0432,
79.6923)

Have a look what the booklet for
XYZ(81.7840, 100.0432, 79.6923)
contains.

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Color

**XYZ(77.6699, 91.6935,
78.5707)**

Conversions

Conversions Part 1

Format	Color
Hex	DCFFD8
RGB	220, 255, 216
RGB Percent	86%, 100%, 85%
CMY	0.1372, 0.0000, 0.1529
CMYK	0.14, 0.00, 0.15, 0.00
HSL	114°, 100%, 92%
HSV	114°, 15%, 100%
XYZ	77.6699, 91.6935, 78.5707
YIQ	240.0890, -8.3410, -19.5490

Conversions

Conversions Part 2

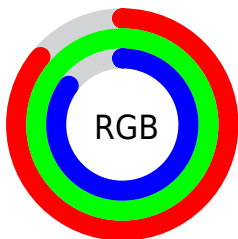
Format	Color
R _Y B	216, 255, 251
Decimal	14483416
CIE Lab	96.69, -18.30, 14.91
CIE LCh	97, 23.604, 140.820
Yxy	91.6935, 0.3133, 0.3698
Android (android.graphics.Color)	4292673496 (0xFFDCFFD8)
YUV	240.0890, -11.8759, -17.6181
Hunter-Lab	95.7567, -22.7899, 18.3808

Details

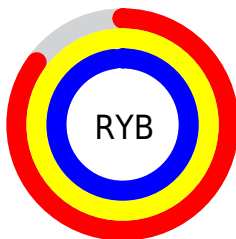
The XYZ color **77.6699, 91.6935, 78.5707** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **82.3902, 76.8421, 105.0973**, and the grayscale version is **82.9884, 87.3103, 95.0809**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1442, 50.9607, 41.3334** is the 20% darker color. If you saturate the color by 10%, you get **68.1658, 87.1458, 62.2315**, and if you desaturate by 10%, it is **88.6352, 96.9354, 97.6516**.

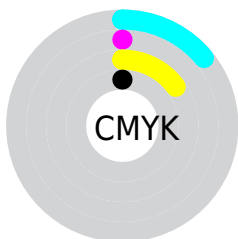
Distribution



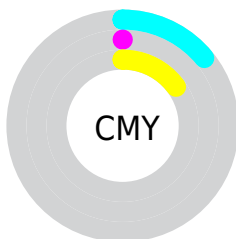
- Red (86%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (98%)



- Cyan (14%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.6699, 91.6935, 78.5707 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 77.6699, 91.6935, 78.5707 by changing the saturation by 10% instead.


 77.6699, 91.6935,
78.5707

 77.6699, 91.6935,
78.5707


475.9020,
533.5245, 509.6820

 58.1047, 69.3861,
58.0237


129.0525,
149.6885, 133.1475

 42.1364, 51.0262,
41.4129


161.6006,
186.1449, 168.0144

 29.3997, 36.2295,
28.3197

199.2071,
228.0864, 208.4916

 19.5292, 24.6115,
18.3257

242.2372,
275.8974, 254.9977

 12.1595, 15.7878,
11.0122

291.0565,
329.9624, 307.9513

 6.9254, 9.3741,
5.9608

346.0301,

 3.4614, 4.9860,

390.6656, 367.7708

2.7528

407.5235,
458.3915, 434.8749

■ 1.4022, 2.2391,
0.9699

■ 0.2578, 0.7412,
0.0000

■ 77.6699, 91.6935,
78.5707

■ 77.6699, 91.6935,
78.5707

■ 68.1658, 87.1458,
62.2315

■ 88.6352, 96.9354,
97.6516

■ 60.0590, 83.2620,
48.5040

95.0500, 100.0000,
108.9000

■ 53.2840, 80.0114,
37.2542

■ 47.7692, 77.3601,
28.3345

■ 43.4361, 75.2713,
21.5814

■ 40.1975, 73.7040,
16.8106

■ 37.9538, 72.6114,
13.8069

■ 36.5866, 71.9384,
12.3051

■ 36.1899, 71.7416,
11.9401

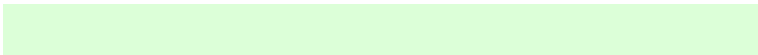
Harmonies

Analogous

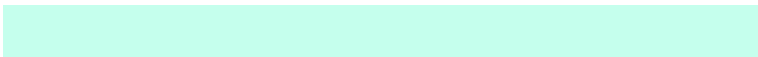
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.7138, 91.6935, 69.5445



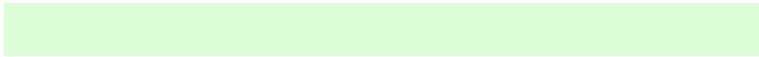
77.6699, 91.6935, 78.5707



75.2019, 91.6935, 94.1455

Triad

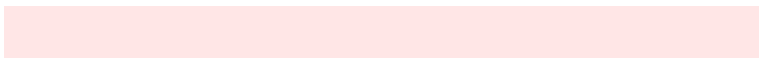
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.6699, 91.6935, 78.5707



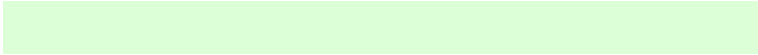
85.1407, 91.6935, 140.2381



99.5747, 91.6935, 87.4564

Complementary

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



77.6699, 91.6935, 78.5707



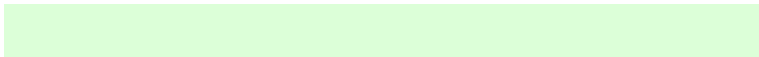
82.3902, 76.8421, 105.0973

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.



100.3053, 91.6935, 105.7567



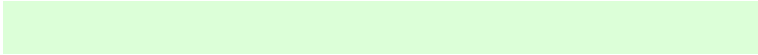
77.6699, 91.6935, 78.5707



91.7461, 91.6935, 137.8563

Square

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



77.6699, 91.6935, 78.5707



79.3694, 91.6935, 130.7829



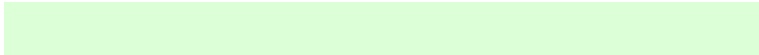
97.3759, 91.6935, 124.6349



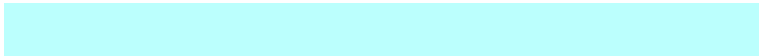
95.4272, 91.6935, 74.2064

Rectangle

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



77.6699, 91.6935, 78.5707



75.2591, 91.6935, 106.8260



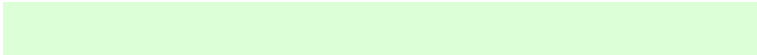
97.3759, 91.6935, 124.6349



100.2360, 91.6935, 93.1628

Sweetspot

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



77.6706, 91.6939, 78.5721



88.9795, 97.0999, 98.2538



87.9606, 94.8693, 78.6427



18.8692, 20.6992, 20.7224



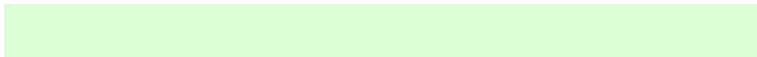
0.0000, 0.0000, 0.0000



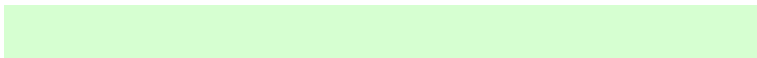
20.3446, 21.4041, 23.3091

Same Dimension

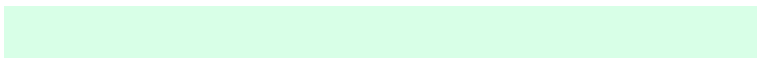
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6706, 91.6939, 78.5721



74.9564, 90.3956, 73.8840



78.4964, 91.8860, 89.1638



17.9444, 20.2572, 19.1086



18.9661, 37.5154, 6.2416



1.9012, 3.6808, 0.6103

Inverse Universe

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



82.3902, 76.8421, 105.0973



80.4043, 73.2481, 104.5083



81.5321, 76.6671, 92.9786



18.5983, 18.2002, 22.7827



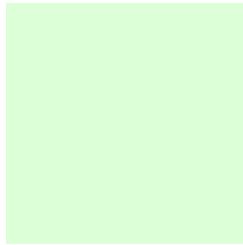
26.3650, 12.5021, 50.4581



2.6178, 1.2434, 4.9153

Previews

White Background



This preview shows how the XYZ color 77.6699, 91.6935, 78.5707 looks on a white background.

Color Contrast Check

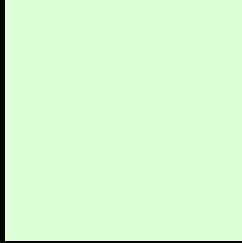
Large Text (above 18pt) WCAG AA × Fail

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 77.6699, 91.6935, 78.5707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

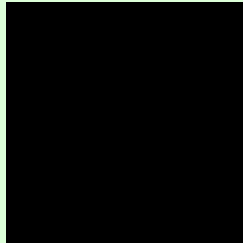
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

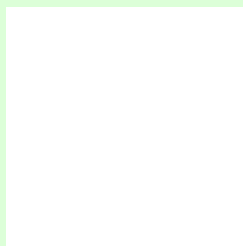
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.6699, 91.6935, 78.5707

Background



This preview shows how black text looks on a background with the XYZ color 77.6699, 91.6935, 78.5707.



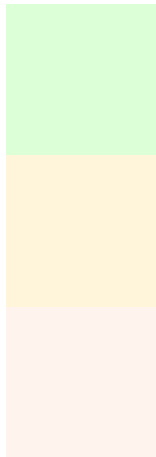
This preview shows how white text looks on a background with the XYZ color 77.6699, 91.6935,

78.5707.

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

77.6699, 91.6935, 78.5707

Protanopia

86.5473, 91.6268, 79.4539

Deuteranopia

88.7232, 91.5342, 93.8806



Tritanopia

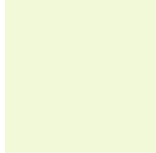
86.2657, 91.3087, 107.6854

Trichromacy



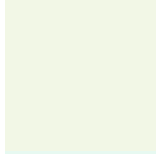
Original Color

77.6699, 91.6935, 78.5707



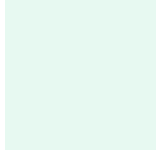
Protanomaly

83.0180, 91.6384, 78.9581



Deuteranomaly

84.1616, 91.1119, 88.0135



Tritanomaly

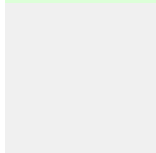
82.7079, 91.0912, 96.4423

Monochromacy



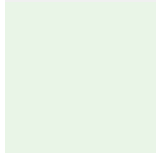
Original Color

77.6699, 91.6935, 78.5707



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.6805, 88.3980, 88.4115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6699, 91.6935, 78.5707 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(220, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(220, 255, 216)  
}
```

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(220, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 216) }
```

Border

The CSS property to change the border of an element to XYZ 77.6699, 91.6935, 78.5707 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(220, 255, 216) }
```


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

```
.border{ border-color:rgb(220, 255, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(220, 255,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6699, 91.6935, 78.5707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 255, 216) }
```

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

```
.background{ background-color: rgb(220,  
255, 216) }
```

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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