

Converting Colors

XYZ(81.8956, 100.0000,
80.8413)

Have a look what the booklet for
XYZ(81.8956, 100.0000, 80.8413)
contains.

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Color

**XYZ(77.7996, 91.7454,
79.2538)**

Conversions

Conversions Part 1

Format	Color
Hex	DCFFD9
RGB	220, 255, 217
RGB Percent	86%, 100%, 85%
CMY	0.1372, 0.0000, 0.1490
CMYK	0.14, 0.00, 0.15, 0.00
HSL	115°, 100%, 93%
HSV	115°, 15%, 100%
XYZ	77.7996, 91.7454, 79.2538
YIQ	240.2030, -8.6620, -19.2380

Conversions

Conversions Part 2

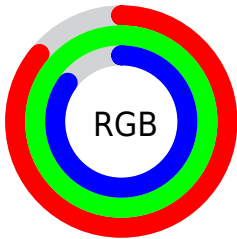
Format	Color
RYB	217, 255, 252
Decimal	14483417
CIELab	96.72, -18.13, 14.43
CIELCh	97, 23.171, 141.480
Yxy	91.7454, 0.3127, 0.3688
Android (android.graphics.Color)	4292673497 (0xFFDCFFD9)
YUV	240.2030, -11.4391, -17.7180
Hunter-Lab	95.7838, -22.6366, 17.9907

Details

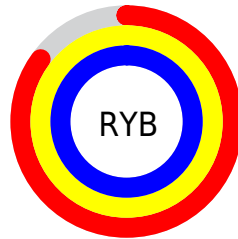
The XYZ color **77.7996, 91.7454, 79.2538** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **83.0085, 77.5423, 105.1999**, and the grayscale version is **83.0746, 87.4009, 95.1796**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2327, 50.9961, 41.7998** is the 20% darker color. If you saturate the color by 10%, you get **68.1183, 87.1086, 62.8038**, and if you desaturate by 10%, it is **88.9935, 97.1027, 98.4525**.

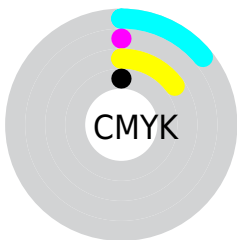
Distribution



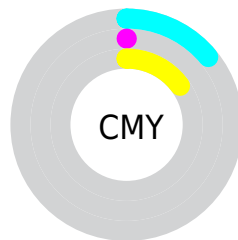
- Red (86%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (99%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7996, 91.7454, 79.2538 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 77.7996, 91.7454, 79.2538 by changing the saturation by 10% instead.

77.7996, 91.7454,
79.2538

77.7996, 91.7454,
79.2538

476.3362,
533.6924, 512.0548

58.2116, 69.4292,
58.5820

129.2344,
149.7605, 134.1180

42.2227, 51.0613,
41.8589

161.8120,
186.2281, 169.1474

29.4676, 36.2574,
28.6661

199.4501,
228.1817, 209.7998

19.5809, 24.6331,
18.5850

242.5141,
276.0056, 256.4937

12.1972, 15.8039,
11.1970

291.3693,
330.0842, 309.6476

6.9513, 9.3855,
6.0837

346.3812,

3.4777, 4.9935,

390.8020, 369.6800

2.8264

407.9150,
458.5432, 437.0096

■ 1.4111, 2.2434,
1.0067

■ 0.2641, 0.7435,
0.0000

■ 77.7996, 91.7454,
79.2538

■ 77.7996, 91.7454,
79.2538

■ 68.1183, 87.1086,
62.8038

■ 88.9935, 97.1027,
98.4525

■ 59.8827, 83.1606,
48.9728

95.0500, 100.0000,
108.9000

■ 53.0239, 79.8688,
37.6270

■ 47.4666, 77.1975,
28.6191

■ 43.1282, 75.1077,
21.7862

■ 39.9165, 73.5558,
16.9447

■ 37.7262, 72.4922,
13.8805

■ 36.4316, 71.8578,
12.3306

■ 36.0511, 71.6701,
11.9336

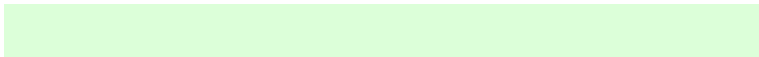
Harmonies

Analogous

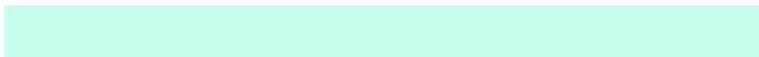
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.7120, 91.7454, 70.1983



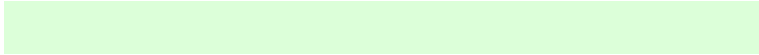
77.7996, 91.7454, 79.2538



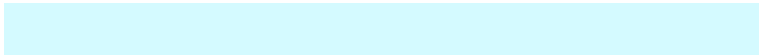
75.4355, 91.7454, 94.6945

Triad

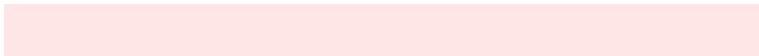
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.7996, 91.7454, 79.2538



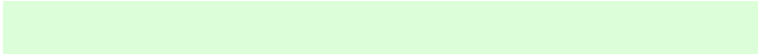
85.3659, 91.7454, 139.5624



99.3338, 91.7454, 87.3741

Complementary

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



77.7996, 91.7454, 79.2538



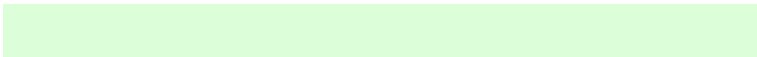
83.0085, 77.5423, 105.1999

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.



100.1309, 91.7454, 105.2828



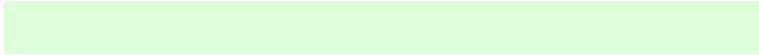
77.7996, 91.7454, 79.2538



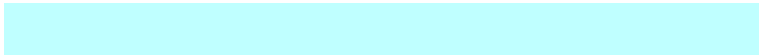
91.8501, 91.7454, 136.9699

Square

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



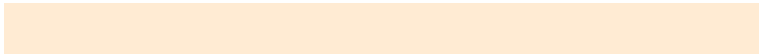
77.7996, 91.7454, 79.2538



79.6597, 91.7454, 130.5398



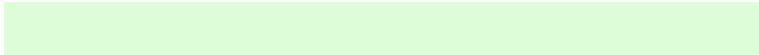
97.3314, 91.7454, 123.8412



95.2044, 91.7454, 74.4661

Rectangle

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



77.7996, 91.7454, 79.2538



75.5371, 91.7454, 107.1768



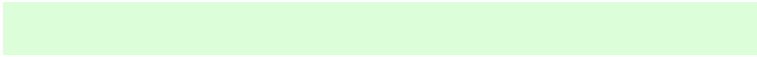
97.3314, 91.7454, 123.8412



100.0083, 91.7454, 92.9510

Sweetspot

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



77.8003, 91.7457, 79.2552



90.0786, 97.6219, 100.3215



88.5228, 95.7861, 79.4700



19.0865, 20.8023, 21.1386



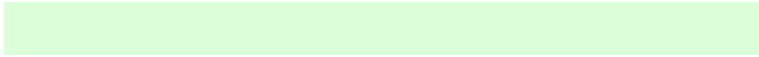
0.0000, 0.0000, 0.0000



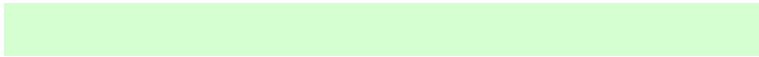
20.3446, 21.4041, 23.3091

Same Dimension

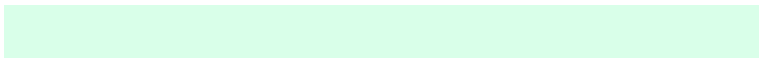
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8003, 91.7457, 79.2552



74.6413, 90.2332, 73.8693



79.0602, 92.1458, 90.5859



17.9044, 20.2366, 19.1067



18.8839, 37.4731, 6.2378



1.8823, 3.6711, 0.6094

Inverse Universe

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



83.0085, 77.5423, 105.1999



80.7946, 73.4493, 104.5265



81.6581, 77.1287, 92.3746



18.6429, 18.2231, 22.7848



27.3707, 13.0206, 50.5052



2.7053, 1.2885, 4.9194

Previews

White Background



This preview shows how the XYZ color 77.7996, 91.7454, 79.2538 looks on a white background.

Color Contrast Check

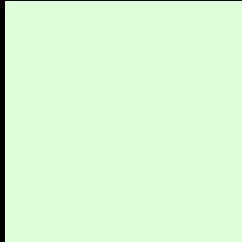
Large Text (above 18pt) WCAG AA × Fail

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 77.7996, 91.7454, 79.2538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

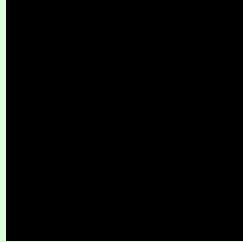
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

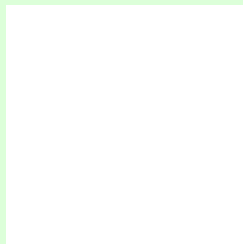
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.7996, 91.7454, 79.2538

Background



This preview shows how black text looks on a background with the XYZ color 77.7996, 91.7454, 79.2538.



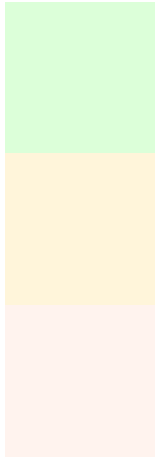
This preview shows how white text looks on a background with the XYZ color 77.7996, 91.7454,

79.2538.

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

77.7996, 91.7454, 79.2538

Protanopia

86.5473, 91.6268, 79.4539

Deuteranopia

88.7232, 91.5342, 93.8806



Tritanopia

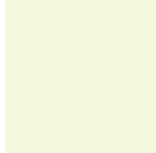
86.2657, 91.3087, 107.6854

Trichromacy



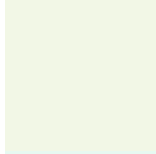
Original Color

77.7996, 91.7454, 79.2538



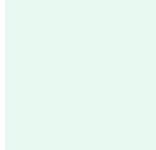
Protanomaly

83.1485, 91.6906, 79.6453



Deuteranomaly

84.1616, 91.1119, 88.0135



Tritanomaly

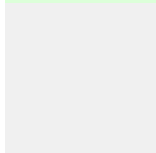
82.7079, 91.0912, 96.4423

Monochromacy



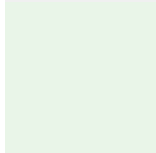
Original Color

77.7996, 91.7454, 79.2538



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.8222, 88.4546, 89.1576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.7996, 91.7454, 79.2538 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(220, 255, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 217) }
```

Border

The CSS property to change the border of an element to XYZ 77.7996, 91.7454, 79.2538 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, 217) }
```


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

```
.border{ border-color:rgb(220, 255, 217) }
```

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, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(220, 255,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 77.7996, 91.7454, 79.2538 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, 217) }
```

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

```
.background{ background-color: rgb(220,  
255, 217) }
```

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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