

Converting Colors

XYZ(82.2052, 100.0000,
79.7861)

Have a look what the booklet for
XYZ(82.2052, 100.0000, 79.7861)
contains.

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Color

**XYZ(78.2789, 92.0075,
78.5992)**

Conversions

Conversions Part 1

Format	Color
Hex	DEFFD8
RGB	222, 255, 216
RGB Percent	87%, 100%, 85%
CMY	0.1294, 0.0000, 0.1529
CMYK	0.13, 0.00, 0.15, 0.00
HSL	111°, 100%, 92%
HSV	111°, 15%, 100%
XYZ	78.2789, 92.0075, 78.5992
YIQ	240.6870, -7.1490, -19.1250

Conversions

Conversions Part 2

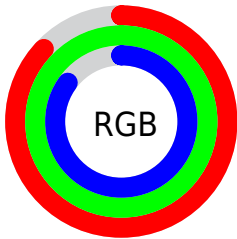
Format	Color
R _Y B	216, 255, 249
Decimal	14614488
CIE Lab	96.82, -17.63, 15.11
CIE LCh	97, 23.222, 139.401
Yxy	92.0075, 0.3145, 0.3697
Android (android.graphics.Color)	4292804568 (0xFFDEFFD8)
YUV	240.6870, -12.1707, -16.3885
Hunter-Lab	95.9205, -22.1905, 18.5610

Details

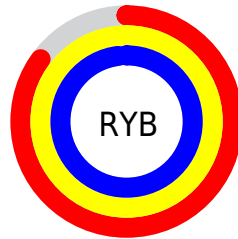
The XYZ color **78.2789, 92.0075, 78.5992** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **81.6735, 76.4726, 105.0638**, and the grayscale version is **83.4592, 87.8056, 95.6203**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5635, 51.1769, 41.3530** is the 20% darker color. If you saturate the color by 10%, you get **69.0421, 87.5976, 62.2725**, and if you desaturate by 10%, it is **88.8744, 97.0587, 97.6628**.

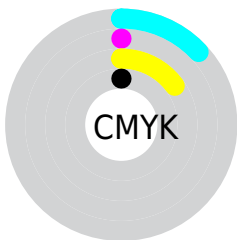
Distribution



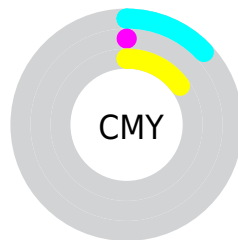
- Red (87%)
- Green (100%)
- Blue (85%)



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



- Cyan (13%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.2789, 92.0075, 78.5992 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 78.2789, 92.0075, 78.5992 by changing the saturation by 10% instead.

 78.2789, 92.0075,
78.5992

 78.2789, 92.0075,
78.5992


477.9388,
534.5398, 509.7811

 58.6067, 69.6469,
58.0470

129.9065,
150.1238, 133.1880

 42.5417, 51.2387,
41.4315


162.5926,
186.6482, 168.0617

 29.7187, 36.3986,
28.3341


200.3474,
228.6627, 208.5462

 19.7722, 24.7422,
18.3365

243.5362,
276.5516, 255.0602

 12.3368, 15.8851,
11.0199

292.5244,
330.6994, 308.0221

 7.0473, 9.4429,
5.9659

347.6773,

 3.5383, 5.0312,

391.4904, 367.8506

2.7559

409.3603,
459.3091, 434.9641

■ 1.4444, 2.2656,
0.9714

■ 0.2875, 0.7554,
0.0000

■ 78.2789, 92.0075,
78.5992

■ 78.2789, 92.0075,
78.5992

■ 69.0421, 87.5976,
62.2725

■ 88.8744, 97.0587,
97.6628

■ 61.1068, 83.8022,
48.5530

95.0500, 100.0000,
108.9000

■ 54.4144, 80.5941,
37.3071

■ 48.9009, 77.9435,
28.3874

■ 44.4968, 75.8181,
21.6311

■ 41.1249, 74.1821,
16.8540

■ 38.6976, 72.9949,
13.8417

■ 37.1116, 72.2091,
12.3297

■ 36.6054, 71.9558,
11.9596

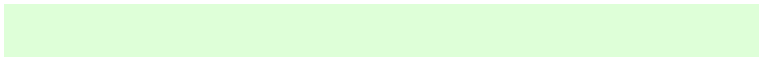
Harmonies

Analogous

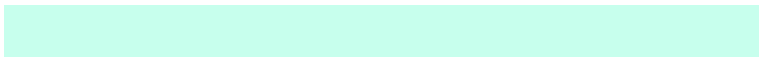
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3545, 92.0075, 70.0068



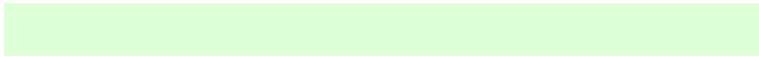
78.2789, 92.0075, 78.5992



75.7053, 92.0075, 93.7253

Triad

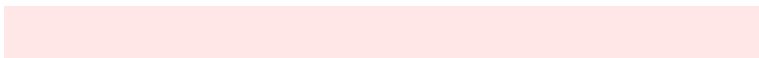
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.2789, 92.0075, 78.5992



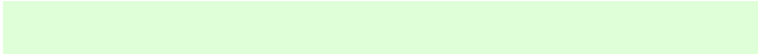
85.1664, 92.0075, 139.7472



99.8070, 92.0075, 88.7286

Complementary

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



78.2789, 92.0075, 78.5992



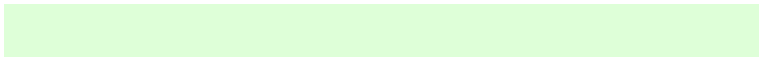
81.6735, 76.4726, 105.0638

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.



100.3515, 92.0075, 106.9255



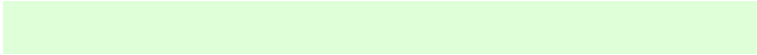
78.2789, 92.0075, 78.5992



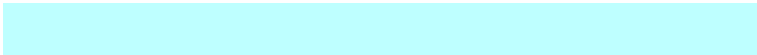
91.6783, 92.0075, 137.9753

Square

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



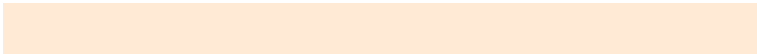
78.2789, 92.0075, 78.5992



79.5486, 92.0075, 129.9667



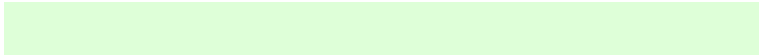
97.3116, 92.0075, 125.3896



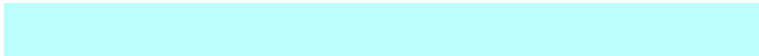
95.8589, 92.0075, 75.3331

Rectangle

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



78.2789, 92.0075, 78.5992



75.6640, 92.0075, 106.1564



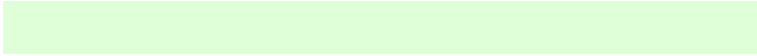
97.3116, 92.0075, 125.3896



100.4013, 92.0075, 94.4333

Sweetspot

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



78.2796, 92.0078, 78.6006



89.2062, 97.2168, 98.2644



87.3564, 93.6608, 78.4413



18.9241, 20.7275, 20.7250



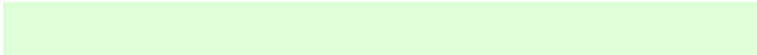
0.0000, 0.0000, 0.0000



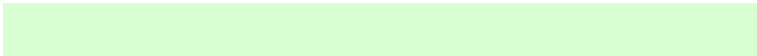
20.3446, 21.4041, 23.3091

Same Dimension

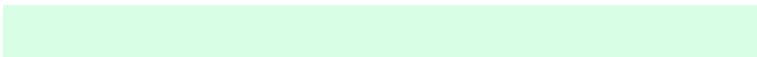
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.2796, 92.0078, 78.6006



75.6476, 90.7519, 73.9164



78.2225, 91.7765, 87.7216



18.0317, 20.3022, 19.1127



19.2041, 37.6381, 6.2527



1.9421, 3.7019, 0.6122

Inverse Universe

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



81.6735, 76.4726, 105.0638



79.5647, 72.8153, 104.4690



81.8235, 76.7836, 94.5131



18.5020, 18.1505, 22.7782



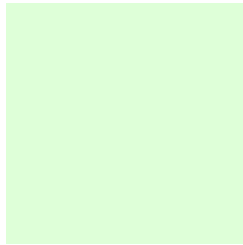
24.2970, 11.4360, 50.3614



2.4366, 1.1500, 4.9068

Previews

White Background



This preview shows how the XYZ color 78.2789, 92.0075, 78.5992 looks on a white background.

Color Contrast Check

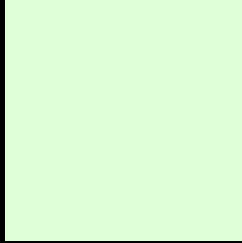
Large Text (above 18pt) WCAG AA × Fail

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 78.2789, 92.0075, 78.5992 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

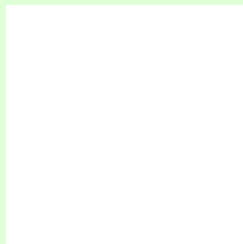
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.2789, 92.0075, 78.5992

Background



This preview shows how black text looks on a background with the XYZ color 78.2789, 92.0075, 78.5992.

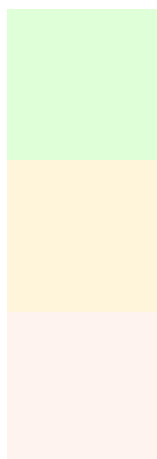


This preview shows how white text looks on a background with the XYZ color 78.2789, 92.0075,

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

78.2789, 92.0075, 78.5992

Protanopia

86.6786, 91.6793, 80.1453

Deuteranopia

88.8706, 91.5932, 94.6566



Tritanopia

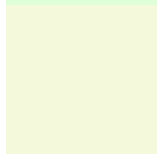
86.6024, 91.4823, 107.7011

Trichromacy



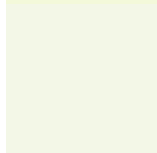
Original Color

78.2789, 92.0075, 78.5992



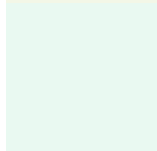
Protanomaly

83.4927, 91.8680, 79.6614



Deuteranomaly

84.6467, 91.3457, 88.7714



Tritanomaly

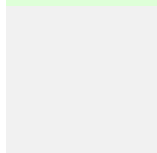
83.3571, 91.4259, 96.4727

Monochromacy



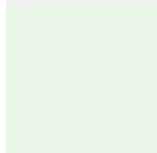
Original Color

78.2789, 92.0075, 78.5992



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

81.4529, 89.2302, 89.2740

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.2789, 92.0075, 78.5992 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(222, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(222, 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(222, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 216) }
```

Border

The CSS property to change the border of an element to XYZ 78.2789, 92.0075, 78.5992 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(222, 255, 216) }
```


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

```
.border{ border-color:rgb(222, 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(222, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 78.2789, 92.0075, 78.5992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 255, 216) }
```

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

```
.background{ background-color: rgb(222,  
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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