

Converting Colors

XYZ(77.2302, 89.7597, 84.2053)

Have a look what the booklet for
XYZ(77.2302, 89.7597, 84.2053)
contains.

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Color

**XYZ(77.3145, 89.9625,
84.5238)**

Conversions

Conversions Part 1

Format	Color
Hex	DAFCE1
RGB	218, 252, 225
RGB Percent	85%, 99%, 88%
CMY	0.1451, 0.0117, 0.1176
CMYK	0.13, 0.00, 0.11, 0.01
HSL	132°, 85%, 92%
HSV	132°, 13%, 99%
XYZ	77.3145, 89.9625, 84.5238
YIQ	238.7560, -11.5970, -15.6050

Conversions

Conversions Part 2

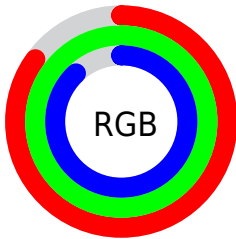
Format	Color
R_{YB}	218, 246, 252
Decimal	14351585
CIE _{Lab}	95.98, -15.93, 9.26
CIE _{LCh}	96, 18.431, 149.836
Yxy	89.9625, 0.3070, 0.3573
Android (android.graphics.Color)	4292541665 (0xFFDAFCE1)
YUV	238.7560, -6.7817, -18.2030
Hunter-Lab	94.8486, -20.4832, 13.5580

Details

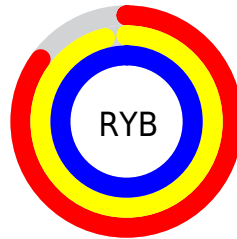
The XYZ color **77.3145, 89.9625, 84.5238** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **81.7010, 77.4331, 97.0304**, and the grayscale version is **81.9140, 86.1799, 93.8499**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8751, 49.7190, 45.4199** is the 20% darker color. If you saturate the color by 10%, you get **67.7720, 85.3429, 70.6518**, and if you desaturate by 10%, it is **88.3278, 95.3084, 100.1389**.

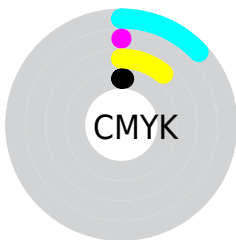
Distribution



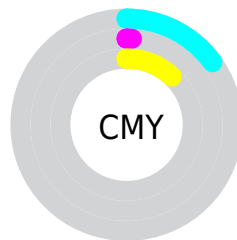
- Red (85%)
- Green (99%)
- Blue (88%)



- Red (85%)
- Yellow (96%)
- Blue (99%)



- Cyan (13%)
- Magenta (0%)
- Yellow (11%)
- Black (1%)



- Cyan (15%)
- Magenta (1%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3145, 89.9625, 84.5238 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 77.3145, 89.9625, 84.5238 by changing the saturation by 10% instead.

77.3145, 89.9625,
84.5238

77.3145, 89.9625,
84.5238

474.7112,
527.9089, 530.1545

57.8119, 67.9495,
62.9001

128.5538,
147.2863, 141.5759

41.9001, 49.8567,
45.3199

161.0212,
183.3659, 177.8414

29.2138, 35.2995,
31.3647

198.5409,
224.9033, 219.8246

19.3877, 23.8937,
20.6159

241.4782,
272.2826, 267.9439

12.0564, 15.2548,
12.6550

290.1986,
325.8885, 322.6181

6.8546, 8.9984,
7.0635

345.0673,

3.4169, 4.7401,

386.1052, 384.2655

3.4228

406.4497,
453.3172, 453.3048

■ 1.3778, 2.0956,
1.3144

■ 0.2404, 0.6622,
0.0735

■ 77.3145, 89.9625,
84.5238

■ 77.3145, 89.9625,
84.5238

■ 67.7720, 85.3429,
70.6518

■ 88.3278, 95.3084,
100.1389

■ 59.6302, 81.4071,
58.4564

■ 94.1021, 98.1043,
108.5840

■ 52.8245, 78.1258,
47.8759

■ 47.2822, 75.4629,
38.8423

■ 42.9234, 73.3786,
31.2828

■ 39.6591, 71.8289,
25.1189

■ 37.3869, 70.7626,
20.2645

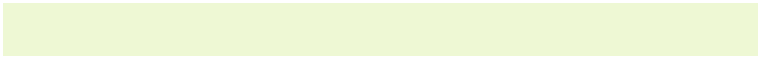
■ 35.9839, 70.1185,
16.6237

■ 35.4293, 69.8711,
14.8538

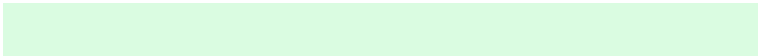
Harmonies

Analogous

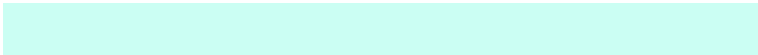
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7254, 89.9625, 75.5795



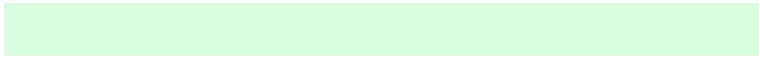
77.3145, 89.9625, 84.5238



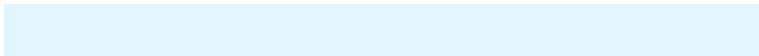
76.0810, 89.9625, 97.8738

Triad

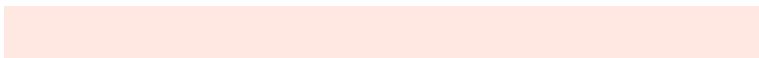
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.3145, 89.9625, 84.5238



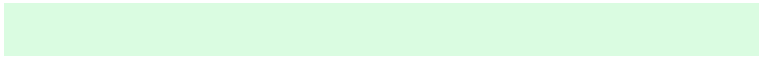
85.4787, 89.9625, 128.7688



94.2878, 89.9625, 84.6497

Complementary

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



77.3145, 89.9625, 84.5238



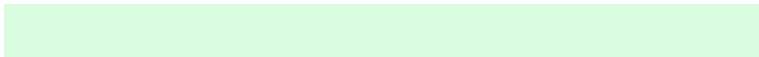
81.7010, 77.4331, 97.0304

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.



95.6803, 89.9625, 98.0340



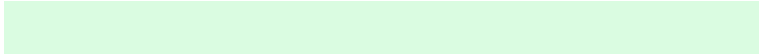
77.3145, 89.9625, 84.5238



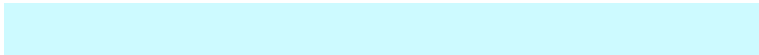
90.4731, 89.9625, 124.3582

Square

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



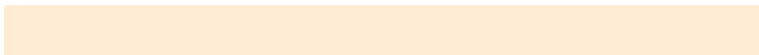
77.3145, 89.9625, 84.5238



80.6788, 89.9625, 124.2643



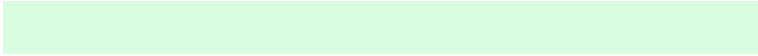
94.2580, 89.9625, 112.7361



90.5234, 89.9625, 75.6469

Rectangle

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



77.3145, 89.9625, 84.5238



76.6199, 89.9625, 107.7846



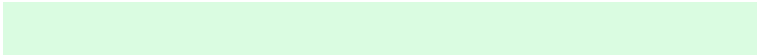
94.2580, 89.9625, 112.7361



95.0553, 89.9625, 88.7399

Sweetspot

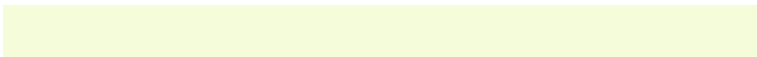
The Sweet Spot groups the original color and five complimentary colors.



77.3170, 89.9663, 84.5258



90.1195, 97.6057, 102.0047



85.1949, 94.1356, 80.0106



19.0968, 20.7982, 21.5627



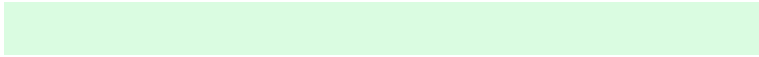
0.0000, 0.0000, 0.0000



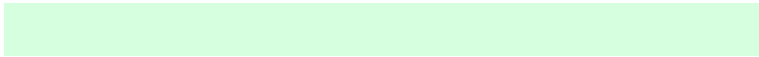
20.3446, 21.4041, 23.3091

Same Dimension

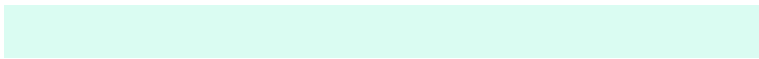
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.3170, 89.9663, 84.5258



76.8153, 91.1524, 83.0747



79.7237, 90.9290, 97.1996



17.1635, 19.3677, 19.0616



18.4968, 36.4117, 7.9595



1.7495, 3.3869, 0.9289

Inverse Universe

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



81.7010, 77.4331, 97.0304



82.0641, 76.1452, 98.0452



79.2505, 76.4529, 84.1265



17.8310, 17.4597, 20.9656



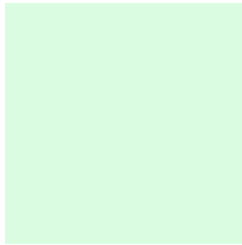
26.4051, 12.9778, 29.9054



2.4828, 1.2169, 2.9658

Previews

White Background



This preview shows how the XYZ color 77.3145, 89.9625, 84.5238 looks on a white background.

Color Contrast Check

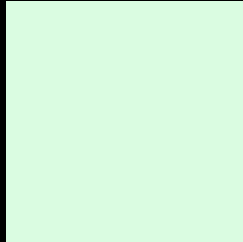
Large Text (above 18pt) WCAG AA × Fail

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 77.3145, 89.9625, 84.5238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

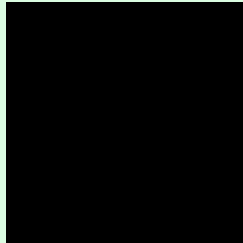
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

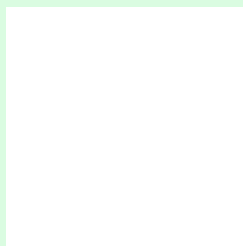
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.3145, 89.9625, 84.5238

Background



This preview shows how black text looks on a background with the XYZ color 77.3145, 89.9625, 84.5238.



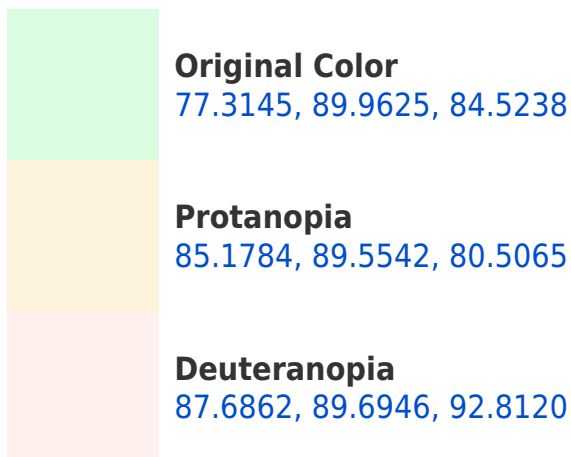
This preview shows how white text looks on a background with the XYZ color 77.3145, 89.9625,

84.5238.

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





Tritanopia

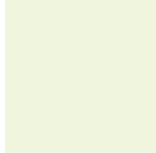
84.6341, 90.0172, 107.5221

Trichromacy



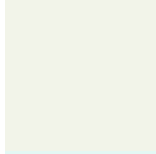
Original Color

77.3145, 89.9625, 84.5238



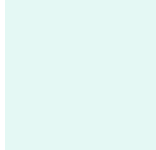
Protanomaly

82.0758, 89.7107, 82.0973



Deuteranomaly

83.6766, 89.4618, 89.9484



Tritanomaly

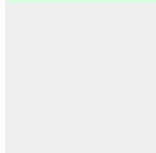
81.8914, 90.1604, 98.6745

Monochromacy



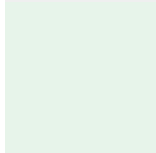
Original Color

77.3145, 89.9625, 84.5238



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.1570, 87.6308, 90.5316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.3145, 89.9625, 84.5238 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(218, 252, 225)` looks like.

```
.text, #text, p{  
    color:rgb(218, 252, 225)  
}
```

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(218, 252, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 252, 225) }
```

Border

The CSS property to change the border of an element to XYZ 77.3145, 89.9625, 84.5238 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(218, 252, 225) }
```


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

```
.border{ border-color:rgb(218, 252, 225) }
```

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

Here you see how a box with a 4 pixel rgb(218, 252, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 252, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 252, 225);  
box-shadow:4px 4px 4px 4px rgb(218, 252,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 77.3145, 89.9625, 84.5238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 252, 225) }
```

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

```
.background{ background-color: rgb(218,  
252, 225) }
```

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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