

Converting Colors

XYZ(72.6349, 85.4019, 77.3875)

Have a look what the booklet for
XYZ(72.6349, 85.4019, 77.3875)
contains.

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Color

**XYZ(72.8068, 85.4764,
77.6270)**

Conversions

Conversions Part 1

Format	Color
Hex	D4F7D8
RGB	212, 247, 216
RGB Percent	83%, 97%, 85%
CMY	0.1686, 0.0314, 0.1529
CMYK	0.14, 0.00, 0.13, 0.03
HSL	127°, 69%, 90%
HSV	127°, 14%, 97%
XYZ	72.8068, 85.4764, 77.6270
YIQ	233.0010, -10.9090, -17.0610

Conversions

Conversions Part 2

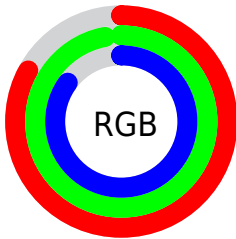
Format	Color
R_{YB}	212, 243, 247
Decimal	13957080
CIE _{Lab}	94.09, -17.03, 11.14
CIE _{LCh}	94, 20.347, 146.810
Yxy	85.4764, 0.3086, 0.3623
Android (android.graphics.Color)	4292147160 (0xFFD4F7D8)
YUV	233.0010, -8.3815, -18.4179
Hunter-Lab	92.4534, -21.2253, 14.9356

Details

The XYZ color **72.8068, 85.4764, 77.6270** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.0819, 73.3342, 94.8375**, and the grayscale version is **77.5218, 81.5590, 88.8177**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.9685, 47.0029, 40.7368** is the 20% darker color. If you saturate the color by 10%, you get **63.5812, 81.0282, 63.4010**, and if you desaturate by 10%, it is **83.5030, 90.6440, 93.8912**.

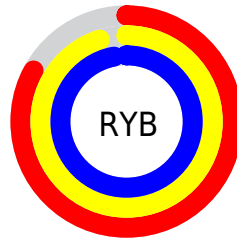
Distribution



Red (83%)

Green (97%)

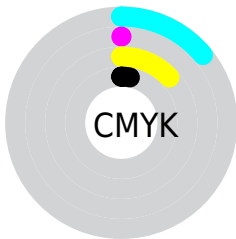
Blue (85%)



Red (83%)

Yellow (95%)

Blue (97%)

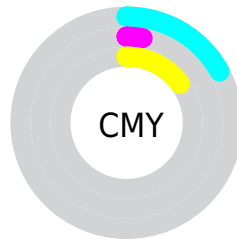


Cyan (14%)

Magenta (0%)

Yellow (13%)

Black (3%)



Cyan (17%)


Magenta (3%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.8068, 85.4764, 77.6270 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 72.8068, 85.4764, 77.6270 by changing the saturation by 10% instead.


 72.8068, 85.4764,
77.6270

 72.8068, 85.4764,
77.6270


459.4591,
513.2031, 506.3935

 54.1058, 64.2351,
57.2530


122.2075,
141.0386, 131.8053

 38.9173, 46.8411,
40.7977

153.6379,
176.1283, 166.4466

 26.8758, 32.9101,
27.8425


190.0422,
216.6028, 206.6808

 17.6161, 22.0576,
17.9690

231.7858,
262.8467, 252.9264

 10.7727, 13.8992,
10.7585

279.2338,
315.2443, 305.6019

 5.9804, 8.0506,
5.7926

332.7519,

 2.8737, 4.1273,

374.1799, 365.1259

2.6526

392.7052,
440.0381, 431.9169

■ 1.0873, 1.7450,
0.9194

■ 0.0145, 0.4526,
0.0000

■ 72.8068, 85.4764,
77.6270

■ 72.8068, 85.4764,
77.6270

■ 63.5812, 81.0282,
63.4010

■ 83.5030, 90.6440,
93.8912

■ 55.7551, 77.2573,
51.1275

■ 92.5524, 95.0048,
108.0675

■ 49.2619, 74.1334,
40.7230

■ 44.0268, 71.6202,
32.0956

■ 39.9678, 69.6773,
25.1461

■ 36.9929, 68.2597,
19.7651

■ 34.9960, 67.3153,
15.8305

■ 33.8496, 66.7813,
13.2021

■ 33.4747, 66.6097,
12.2057

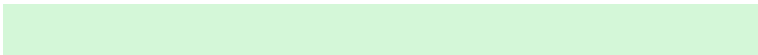
Harmonies

Analogous

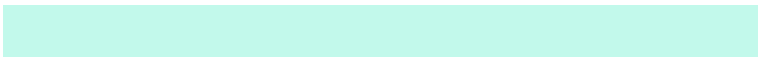
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.6196, 85.4764, 68.8298



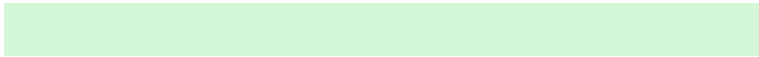
72.8068, 85.4764, 77.6270



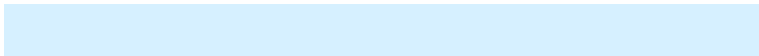
71.2483, 85.4764, 91.4134

Triad

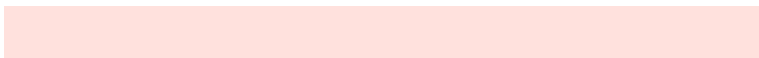
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.8068, 85.4764, 77.6270



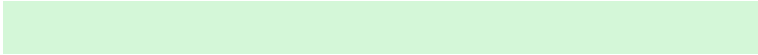
80.6625, 85.4764, 126.2668



90.9320, 85.4764, 80.2117

Complementary

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



72.8068, 85.4764, 77.6270



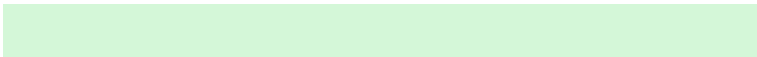
78.0819, 73.3342, 94.8375

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.



92.1308, 85.4764, 94.7450



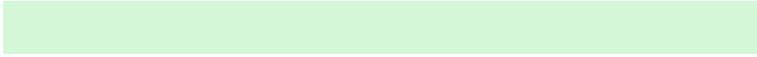
72.8068, 85.4764, 77.6270



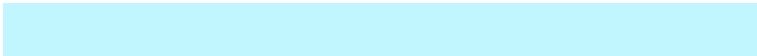
86.0482, 85.4764, 122.4205

Square

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



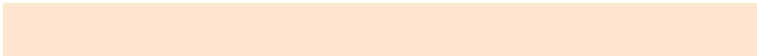
72.8068, 85.4764, 77.6270



75.6548, 85.4764, 120.4316



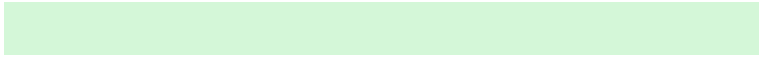
90.3064, 85.4764, 110.4346



87.0993, 85.4764, 70.2011

Rectangle

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



72.8068, 85.4764, 77.6270



71.6433, 85.4764, 101.9962



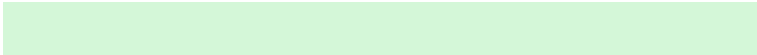
90.3064, 85.4764, 110.4346



91.6636, 85.4764, 84.6790

Sweetspot

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



72.8091, 85.4800, 77.6289



89.9757, 97.5482, 101.2476



82.2829, 90.4230, 75.4050



19.0606, 20.7837, 21.3719



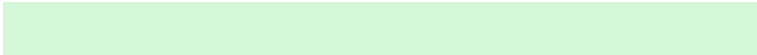
0.0000, 0.0000, 0.0000



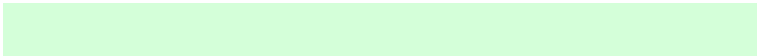
20.3446, 21.4041, 23.3091

Same Dimension

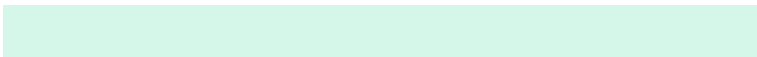
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.8091, 85.4800, 77.6289



75.2835, 90.4543, 78.8676



75.1227, 86.4055, 89.8122



16.3592, 18.5028, 17.9099



17.7284, 35.2362, 6.5897



1.5828, 3.1068, 0.7087

Inverse Universe

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



78.0819, 73.3342, 94.8375



81.9586, 75.0772, 100.6518



75.6314, 72.3540, 81.9332



17.1273, 16.7338, 20.4168



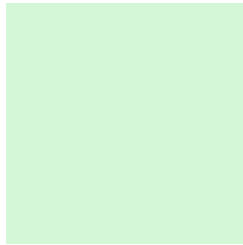
27.0664, 13.1700, 36.6538



2.4016, 1.1666, 3.3412

Previews

White Background



This preview shows how the XYZ color 72.8068, 85.4764, 77.6270 looks on a white background.

Color Contrast Check

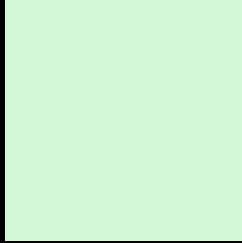
Large Text (above 18pt) WCAG AA × Fail

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 72.8068, 85.4764, 77.6270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

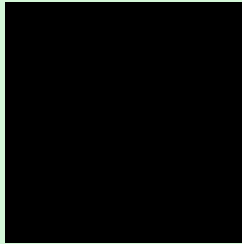
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

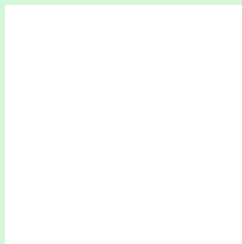
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.8068, 85.4764, 77.6270

Background



This preview shows how black text looks on a background with the XYZ color 72.8068, 85.4764, 77.6270.



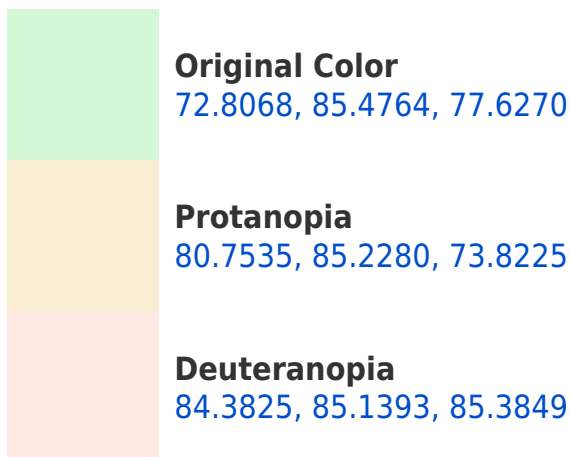
This preview shows how white text looks on a background with the XYZ color 72.8068, 85.4764,

77.6270.

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

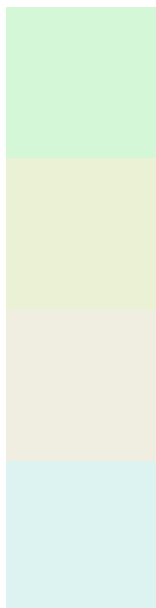




Tritanopia

79.9506, 85.3875, 106.8753

Trichromacy



Original Color

72.8068, 85.4764, 77.6270

Protanomaly

77.7265, 85.3769, 75.3335

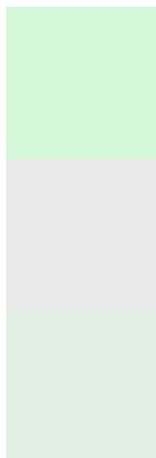
Deuteranomaly

79.6257, 84.8816, 82.7081

Tritanomaly

77.4430, 85.6677, 95.6729

Monochromacy



Original Color

72.8068, 85.4764, 77.6270

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

75.4910, 82.7027, 84.6575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.8068, 85.4764, 77.6270 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(212, 247, 216) looks like.

```
.text, #text, p{  
    color:rgb(212, 247, 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(212, 247, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 247, 216) }
```

Border

The CSS property to change the border of an element to XYZ 72.8068, 85.4764, 77.6270 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(212, 247, 216) }
```


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

```
.border{ border-color:rgb(212, 247, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 247, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 247, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 247, 216);  
box-shadow:4px 4px 4px 4px rgb(212, 247,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 72.8068, 85.4764, 77.6270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 247, 216) }
```

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

```
.background{ background-color: rgb(212,  
247, 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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