

Converting Colors

XYZ(80.5167, 100.0000,
87.1619)

Have a look what the booklet for
XYZ(80.5167, 100.0000, 87.1619)
contains.

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Color

**XYZ(75.7820, 90.5663,
85.4384)**

Conversions

Conversions Part 1

Format	Color
Hex	D1FFE2
RGB	209, 255, 226
RGB Percent	82%, 100%, 89%
CMY	0.1804, 0.0000, 0.1137
CMYK	0.18, 0.00, 0.11, 0.00
HSL	142°, 100%, 91%
HSV	142°, 18%, 100%
XYZ	75.7820, 90.5663, 85.4384
YIQ	237.9400, -18.1070, -18.7710

Conversions

Conversions Part 2

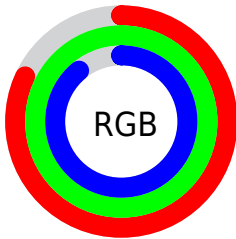
Format	Color
R_{YB}	209, 243, 255
Decimal	13762530
CIE _{Lab}	96.23, -20.12, 9.03
CIE _{LCh}	96, 22.051, 155.823
Yxy	90.5663, 0.3010, 0.3597
Android (android.graphics.Color)	4291952610 (0xFFD1FFE2)
YUV	237.9400, -5.8864, -25.3804
Hunter-Lab	95.1663, -24.3995, 13.3871

Details

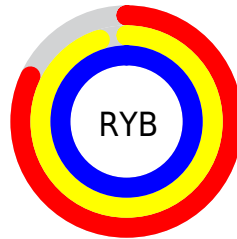
The XYZ color **75.7820, 90.5663, 85.4384** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **79.4736, 73.0349, 90.7974**, and the grayscale version is **81.2754, 85.5081, 93.1183**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.8712, 50.1985, 46.0632** is the 20% darker color. If you saturate the color by 10%, you get **67.0317, 86.2984, 74.0489**, and if you desaturate by 10%, it is **85.8954, 95.5130, 97.9742**.

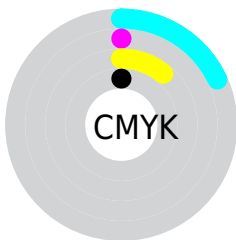
Distribution



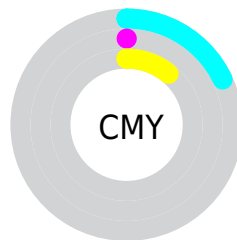
- Red (82%)
- Green (100%)
- Blue (89%)



- Red (82%)
- Yellow (95%)
- Blue (100%)



- Cyan (18%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)



- Cyan (18%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.7820, 90.5663, 85.4384 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 75.7820, 90.5663, 85.4384 by changing the saturation by 10% instead.

75.7820, 90.5663,
85.4384

75.7820, 90.5663,
85.4384

469.5570,
529.8713, 533.2600

56.5502, 68.4504,
63.6514

126.4007,
148.1248, 142.8651

40.8829, 50.2643,
45.9240

158.5183,
184.3361, 179.3420

28.4149, 35.6234,
31.8377

195.6619,
226.0148, 221.5525

18.7807, 24.1435,
20.9737

238.1968,
273.5451, 269.9154

11.6150, 15.4401,
12.9137

286.4884,
327.3116, 324.8490

6.5524, 9.1288,
7.2392

340.9021,

3.2276, 4.8253,

387.6985, 386.7719

3.5314

401.8032,
455.0903, 456.1027

■ 1.2752, 2.1451,
1.3720

■ 0.1646, 0.6898,
0.1197

■ 75.7820, 90.5663,
85.4384

■ 75.7820, 90.5663,
85.4384

■ 67.0317, 86.2984,
74.0489

■ 85.8954, 95.5130,
97.9742

■ 59.5818, 82.6776,
63.7691

95.0500, 100.0000,
108.9000

■ 53.3677, 79.6714,
54.5664

■ 48.3185, 77.2439,
46.4053

■ 44.3556, 75.3552,
39.2480

■ 41.3900, 73.9604,
33.0546

■ 39.3175, 73.0065,
27.7819

■ 37.9988, 72.4228,
23.3826

■ 37.7913, 72.3325,
22.6167

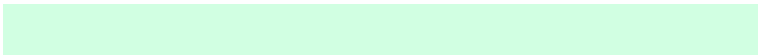
Harmonies

Analogous

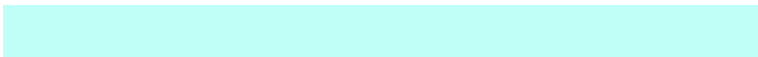
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.3731, 90.5663, 73.7241



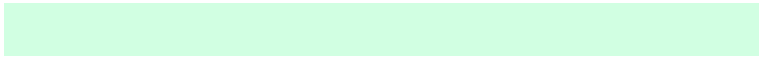
75.7820, 90.5663, 85.4384



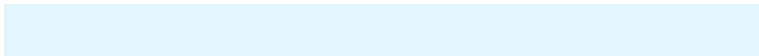
74.8928, 90.5663, 102.0713

Triad

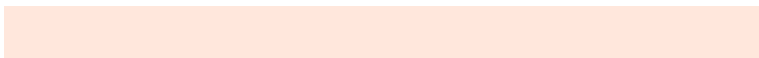
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.7820, 90.5663, 85.4384



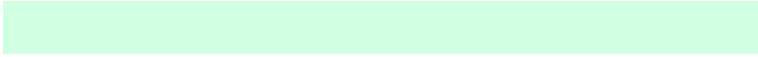
87.2803, 90.5663, 136.0960



95.9823, 90.5663, 80.1667

Complementary

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



75.7820, 90.5663, 85.4384



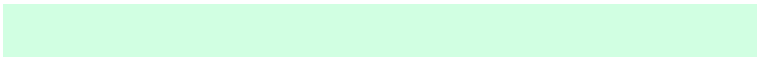
79.4736, 73.0349, 90.7974

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.



98.3304, 90.5663, 95.2304



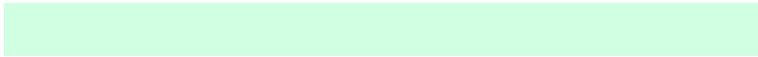
75.7820, 90.5663, 85.4384



93.1556, 90.5663, 128.5501

Square

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



75.7820, 90.5663, 85.4384



81.3489, 90.5663, 132.6750



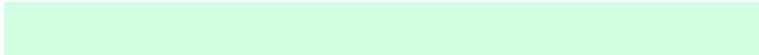
97.2723, 90.5663, 113.0731



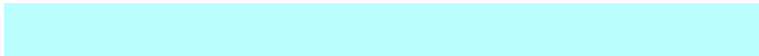
90.9922, 90.5663, 70.9424

Rectangle

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



75.7820, 90.5663, 85.4384



75.9133, 90.5663, 114.0372



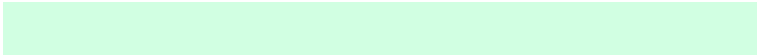
97.2723, 90.5663, 113.0731



97.1173, 90.5663, 84.6433

Sweetspot

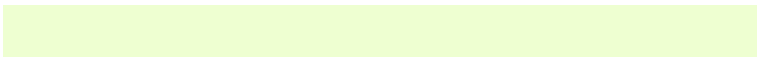
The Sweet Spot groups the original color and five complimentary colors.



75.7828, 90.5667, 85.4398



89.2465, 97.1546, 102.0140



82.5738, 94.3239, 74.1771



18.9340, 20.7126, 21.6331



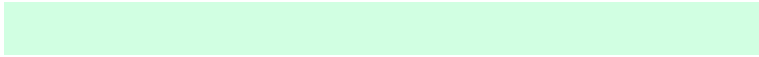
0.0000, 0.0000, 0.0000



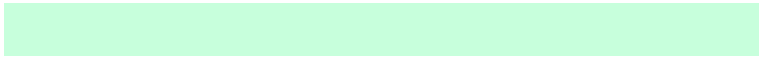
20.3446, 21.4041, 23.3091

Same Dimension

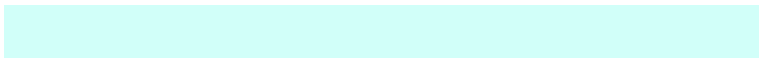
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.7828, 90.5667, 85.4398



72.1564, 88.7963, 80.7923



79.1332, 91.9069, 103.0828



18.0491, 20.2792, 20.5616



19.8125, 37.8216, 12.1640



1.9797, 3.7028, 1.4508

Inverse Universe

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



79.4736, 73.0349, 90.7974



76.5300, 68.0167, 87.1378



76.3241, 71.7751, 74.2123



18.4912, 18.1798, 21.2038



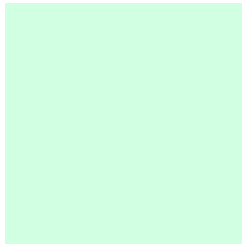
24.9735, 12.4787, 19.0429



2.4844, 1.2361, 2.1321

Previews

White Background



This preview shows how the XYZ color 75.7820, 90.5663, 85.4384 looks on a white background.

Color Contrast Check

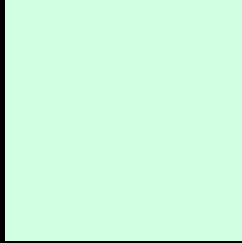
Large Text (above 18pt) WCAG AA × Fail

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 75.7820, 90.5663, 85.4384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

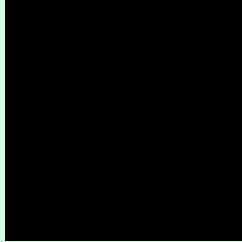
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

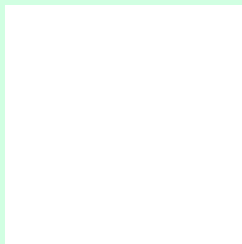
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.7820, 90.5663, 85.4384

Background



This preview shows how black text looks on a background with the XYZ color 75.7820, 90.5663, 85.4384.



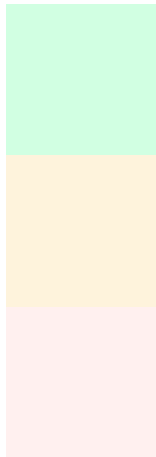
This preview shows how white text looks on a background with the XYZ color 75.7820, 90.5663,

85.4384.

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

75.7820, 90.5663, 85.4384

Protanopia

85.8419, 90.3393, 80.6230

Deuteranopia

87.9801, 89.8122, 94.3598



Tritanopia

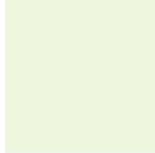
84.2845, 90.2873, 107.5927

Trichromacy



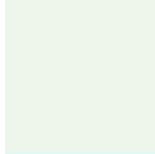
Original Color

75.7820, 90.5663, 85.4384



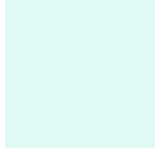
Protanomaly

81.7055, 89.9726, 82.1674



Deuteranomaly

82.7636, 89.4225, 90.7401



Tritanomaly

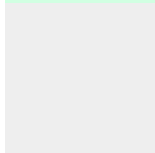
80.9453, 90.1303, 98.7186

Monochromacy



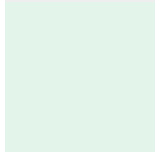
Original Color

75.7820, 90.5663, 85.4384



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

78.8805, 86.9728, 90.4719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.7820, 90.5663, 85.4384 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(209, 255, 226)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 226)  
}
```

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(209, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 226) }
```

Border

The CSS property to change the border of an element to XYZ 75.7820, 90.5663, 85.4384 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(209, 255, 226) }
```


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

```
.border{ border-color:rgb(209, 255, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 255, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 75.7820, 90.5663, 85.4384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 255, 226) }
```

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

```
.background{ background-color: rgb(209,  
255, 226) }
```

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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