

Converting Colors

XYZ(80.1454, 100.0000,
84.7999)

Have a look what the booklet for
XYZ(80.1454, 100.0000, 84.7999)
contains.

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Color

**XYZ(75.3738, 90.4030,
83.2889)**

Conversions

Conversions Part 1

Format	Color
Hex	D1FFDF
RGB	209, 255, 223
RGB Percent	82%, 100%, 87%
CMY	0.1804, 0.0000, 0.1255
CMYK	0.18, 0.00, 0.13, 0.00
HSL	138°, 100%, 91%
HSV	138°, 18%, 100%
XYZ	75.3738, 90.4030, 83.2889
YIQ	237.5980, -17.1440, -19.7040

Conversions

Conversions Part 2

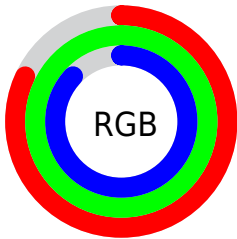
Format	Color
R _{YB}	209, 244, 255
Decimal	13762527
CIE _{Lab}	96.16, -20.66, 10.48
CIE _{LCh}	96, 23.164, 153.114
Yxy	90.4030, 0.3026, 0.3630
Android (android.graphics.Color)	4291952607 (0xFFD1FFDF)
YUV	237.5980, -7.1968, -25.0804
Hunter-Lab	95.0805, -24.8874, 14.6193

Details

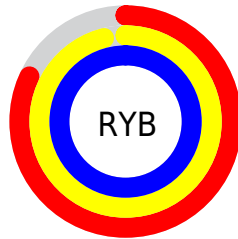
The XYZ color **75.3738, 90.4030, 83.2889** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **79.9181, 73.2127, 93.1384**, and the grayscale version is **81.0202, 85.2396, 92.8259**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.5884, 50.0853, 44.5740** is the 20% darker color. If you saturate the color by 10%, you get **66.4593, 86.0694, 71.0346**, and if you desaturate by 10%, it is **85.6952, 95.4329, 96.9199**.

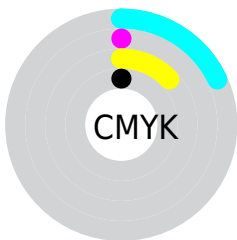
Distribution



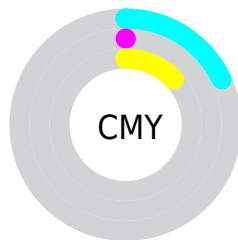
- Red (82%)
- Green (100%)
- Blue (87%)



- Red (82%)
- Yellow (96%)
- Blue (100%)



- Cyan (18%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.3738, 90.4030, 83.2889 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 75.3738, 90.4030, 83.2889 by changing the saturation by 10% instead.


 75.3738, 90.4030,
83.2889

 75.3738, 90.4030,
83.2889


468.1788,
529.3409, 525.9450

 56.2144, 68.3149,
61.8865


125.8264,
147.8981, 139.8329

 40.6125, 50.1540,
44.5058


157.8504,
184.0738, 175.8115

 28.2028, 35.5358,
30.7282


194.8933,
225.7143, 217.4860

 18.6198, 24.0759,
20.1353

237.3204,
273.2039, 265.2749

 11.4983, 15.3899,
12.3084

285.4972,
326.9269, 319.5967

 6.4728, 9.0935,
6.8290

339.7889,

 3.1780, 4.8022,

387.2678, 380.8700

3.2785

400.5610,
454.6111, 449.5132

■ 1.2486, 2.1317,
1.2386

■ 0.1442, 0.6824,
0.0106

■ 75.3738, 90.4030,
83.2889

■ 75.3738, 90.4030,
83.2889

■ 66.4593, 86.0694,
71.0346

■ 85.6952, 95.4329,
96.9199

■ 58.8868, 82.3997,
60.1096

95.0500, 100.0000,
108.9000

■ 52.5898, 79.3603,
50.4702

■ 47.4950, 76.9144,
42.0686

■ 43.5211, 75.0214,
34.8538

■ 40.5766, 73.6350,
28.7715

■ 38.5542, 72.7012,
23.7626

■ 37.3112, 72.1477,
19.7620

■ 37.1213, 72.0645,
19.0884

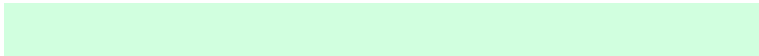
Harmonies

Analogous

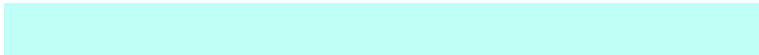
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.3532, 90.4030, 71.6801



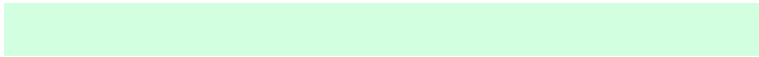
75.3738, 90.4030, 83.2889



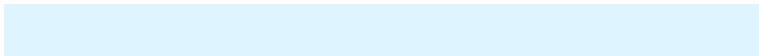
74.1736, 90.4030, 100.3675

Triad

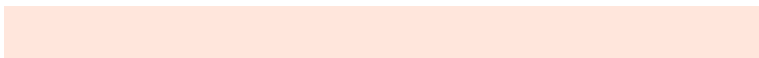
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.3738, 90.4030, 83.2889



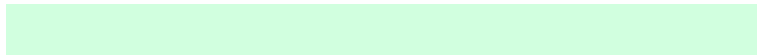
86.5980, 90.4030, 138.1450



96.6907, 90.4030, 80.3469

Complementary

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



75.3738, 90.4030, 83.2889



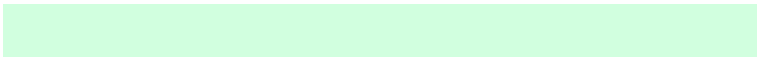
79.9181, 73.2127, 93.1384

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.



98.8571, 90.4030, 96.5245



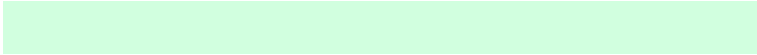
75.3738, 90.4030, 83.2889



92.8507, 90.4030, 131.1314

Square

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



75.3738, 90.4030, 83.2889



80.4604, 90.4030, 133.4716



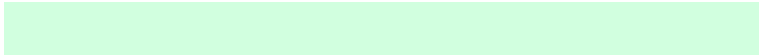
97.4183, 90.4030, 115.3109



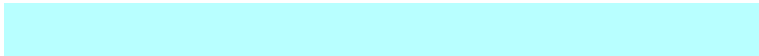
91.6323, 90.4030, 70.1361

Rectangle

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



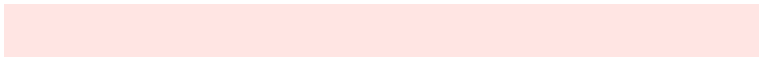
75.3738, 90.4030, 83.2889



75.0594, 90.4030, 112.9820



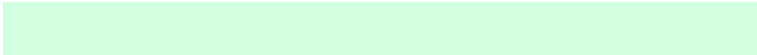
97.4183, 90.4030, 115.3109



97.7924, 90.4030, 85.1908

Sweetspot

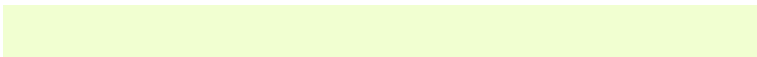
The Sweet Spot groups the original color and five complimentary colors.



75.3746, 90.4034, 83.2903



89.1184, 97.1034, 101.3397



83.6130, 94.8596, 74.2257



18.9030, 20.7001, 21.4696



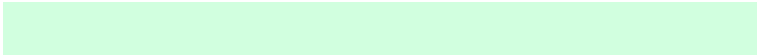
0.0000, 0.0000, 0.0000



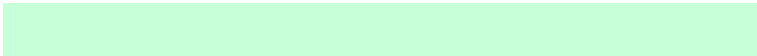
20.3446, 21.4041, 23.3091

Same Dimension

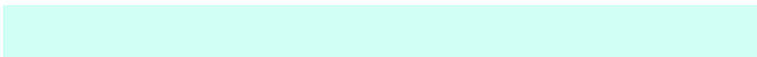
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.3746, 90.4034, 83.2903



71.6781, 88.6050, 78.2732



78.6590, 91.7172, 100.5856



17.9991, 20.2592, 20.2984



19.4544, 37.6784, 10.2782



1.9403, 3.6871, 1.2437

Inverse Universe

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



79.9181, 73.2127, 93.1384



77.0621, 68.2295, 89.9394



76.7222, 71.9344, 76.3090



18.5434, 18.2007, 21.4786



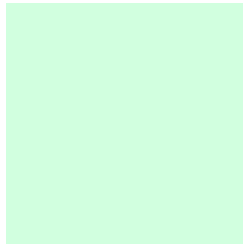
25.7853, 12.8034, 23.3174



2.5593, 1.2661, 2.5267

Previews

White Background



This preview shows how the XYZ color 75.3738, 90.4030, 83.2889 looks on a white background.

Color Contrast Check

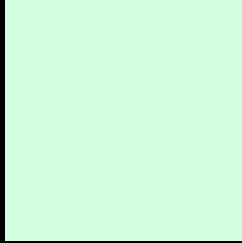
Large Text (above 18pt) WCAG AA × Fail

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 75.3738, 90.4030, 83.2889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

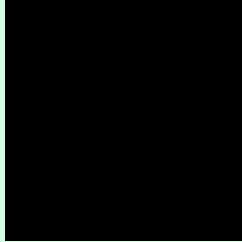
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

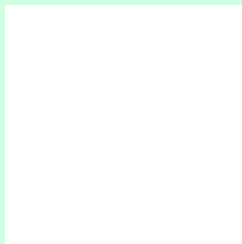
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.3738, 90.4030, 83.2889

Background



This preview shows how black text looks on a background with the XYZ color 75.3738, 90.4030, 83.2889.



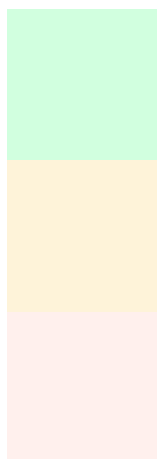
This preview shows how white text looks on a background with the XYZ color 75.3738, 90.4030,

83.2889.

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

75.3738, 90.4030, 83.2889

Protanopia

85.4480, 90.1818, 78.5489

Deuteranopia

87.6862, 89.6946, 92.8120



Tritanopia

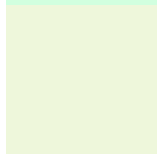
84.2845, 90.2873, 107.5927

Trichromacy



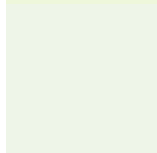
Original Color

75.3738, 90.4030, 83.2889



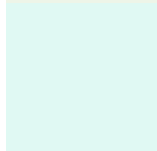
Protanomaly

81.3068, 89.8131, 80.0682



Deuteranomaly

82.4778, 89.3082, 89.2351



Tritanomaly

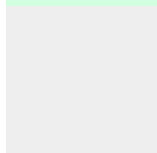
80.7938, 90.0697, 97.9209

Monochromacy



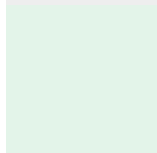
Original Color

75.3738, 90.4030, 83.2889



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

78.7372, 86.9155, 89.7173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.3738, 90.4030, 83.2889 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, 223)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 223)  
}
```

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, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 223) }
```

Border

The CSS property to change the border of an element to XYZ 75.3738, 90.4030, 83.2889 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, 223) }
```


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

```
.border{ border-color:rgb(209, 255, 223) }
```

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, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 223);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 75.3738, 90.4030, 83.2889 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, 223) }
```

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

```
.background{ background-color: rgb(209,  
255, 223) }
```

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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