

Converting Colors

XYZ(80.0897, 100.0000,
83.7117)

Have a look what the booklet for
XYZ(80.0897, 100.0000, 83.7117)
contains.

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Color

**XYZ(75.1056, 90.2958,
81.8770)**

Conversions

Conversions Part 1

Format	Color
Hex	D1FFDD
RGB	209, 255, 221
RGB Percent	82%, 100%, 87%
CMY	0.1804, 0.0000, 0.1333
CMYK	0.18, 0.00, 0.13, 0.00
HSL	136°, 100%, 91%
HSV	136°, 18%, 100%
XYZ	75.1056, 90.2958, 81.8770
YIQ	237.3700, -16.5020, -20.3260

Conversions

Conversions Part 2

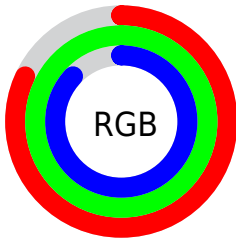
Format	Color
RYB	209, 245, 255
Decimal	13762525
CIELab	96.12, -21.02, 11.44
CIELCh	96, 23.929, 151.445
Yxy	90.2958, 0.3037, 0.3652
Android (android.graphics.Color)	4291952605 (0xFFD1FFDD)
YUV	237.3700, -8.0704, -24.8805
Hunter-Lab	95.0241, -25.2085, 15.4300

Details

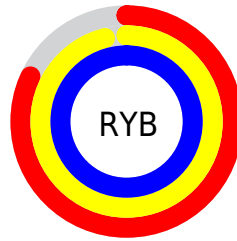
The XYZ color **75.1056, 90.2958, 81.8770** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **80.2184, 73.3326, 94.7201**, and the grayscale version is **80.8503, 85.0608, 92.6312**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.4034, 50.0114, 43.6001** is the 20% darker color. If you saturate the color by 10%, you get **66.0869, 85.9205, 69.0744**, and if you desaturate by 10%, it is **85.5623, 95.3797, 96.2213**.

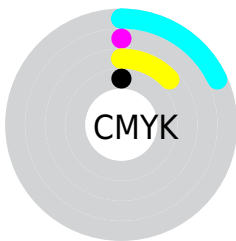
Distribution



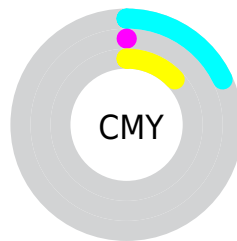
- Red (82%)
- Green (100%)
- Blue (87%)



- 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 75.1056, 90.2958, 81.8770 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 75.1056, 90.2958, 81.8770 by changing the saturation by 10% instead.

 75.1056, 90.2958,
81.8770

 75.1056, 90.2958,
81.8770


467.2720,
528.9926, 521.1088

 55.9939, 68.2260,
60.7289


125.4489,
147.7492, 137.8366

 40.4350, 50.0816,
43.5773


157.4113,
183.9016, 173.4853

 28.0636, 35.4783,
30.0036


194.3879,
225.5170, 214.8045

 18.5143, 24.0315,
19.5892

236.7441,
272.9798, 262.2129

 11.4218, 15.3570,
11.9157

284.8452,
326.6743, 316.1290

 6.4207, 9.0703,
6.5645

339.0567,

 3.1456, 4.7871,

386.9850, 376.9713

3.1170

399.7439,
454.2963, 445.1584

■ 1.2312, 2.1229,
1.1547

■ 0.1308, 0.6774,
0.0000

■ 75.1056, 90.2958,
81.8770

■ 75.1056, 90.2958,
81.8770

■ 66.0869, 85.9205,
69.0744

■ 85.5623, 95.3797,
96.2213

■ 58.4401, 82.2210,
57.7579

95.0500, 100.0000,
108.9000

■ 52.0968, 79.1631,
47.8745

■ 46.9818, 76.7092,
39.3667

■ 43.0120, 74.8178,
32.1730

■ 40.0934, 73.4418,
26.2272

■ 38.1163, 72.5261,
21.4569

■ 36.9352, 71.9973,
17.7817

■ 36.7590, 71.9196,
17.1806

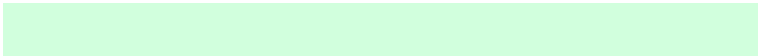
Harmonies

Analogous

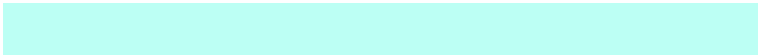
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.3431, 90.2958, 70.3418



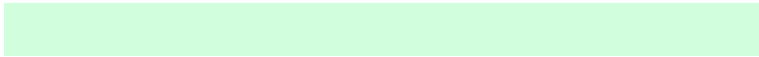
75.1056, 90.2958, 81.8770



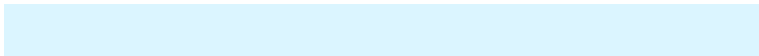
73.6994, 90.2958, 99.2406

Triad

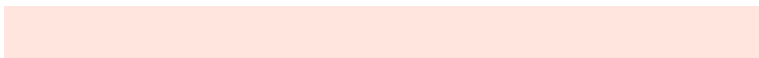
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.1056, 90.2958, 81.8770



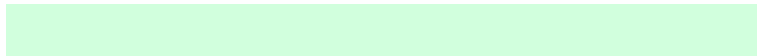
86.1454, 90.2958, 139.5189



97.1656, 90.2958, 80.4732

Complementary

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



75.1056, 90.2958, 81.8770



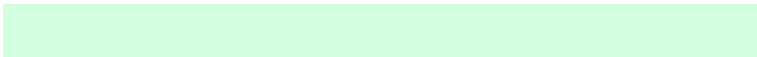
80.2184, 73.3326, 94.7201

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.



99.2091, 90.2958, 97.3987



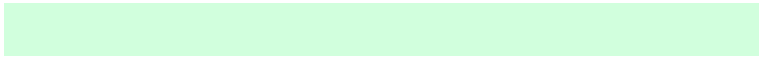
75.1056, 90.2958, 81.8770



92.6474, 90.2958, 132.8708

Square

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



75.1056, 90.2958, 81.8770



79.8728, 90.2958, 133.9997



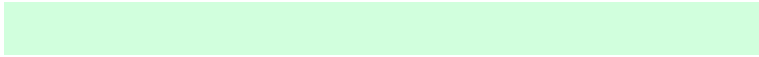
97.5153, 90.2958, 116.8218



92.0626, 90.2958, 69.6076

Rectangle

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



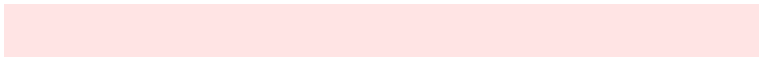
75.1056, 90.2958, 81.8770



74.4960, 90.2958, 112.2789



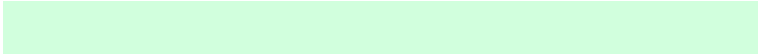
97.5153, 90.2958, 116.8218



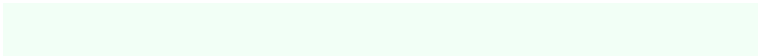
98.2446, 90.2958, 85.5630

Sweetspot

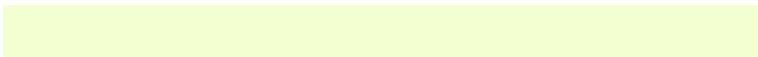
The Sweet Spot groups the original color and five complimentary colors.



75.1063, 90.2961, 81.8784



89.0334, 97.0693, 100.8920



84.4039, 95.2673, 74.2624



18.8824, 20.6919, 21.3610



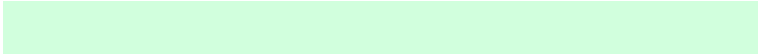
0.0000, 0.0000, 0.0000



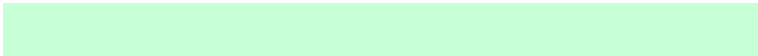
20.3446, 21.4041, 23.3091

Same Dimension

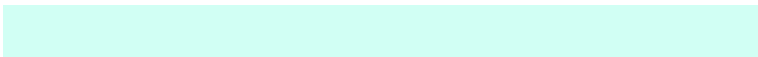
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.1063, 90.2961, 81.8784



71.3651, 88.4798, 76.6251



78.3082, 91.5768, 98.7395



17.9661, 20.2460, 20.1243



19.2588, 37.6001, 9.2483



1.9176, 3.6780, 1.1242

Inverse Universe

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



80.2184, 73.3326, 94.7201



77.4227, 68.3738, 91.8387



77.0255, 72.0555, 77.9070



18.5784, 18.2147, 21.6630



26.3829, 13.0425, 26.4647



2.6136, 1.2878, 2.8127

Previews

White Background



This preview shows how the XYZ color 75.1056, 90.2958, 81.8770 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 75.1056, 90.2958, 81.8770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

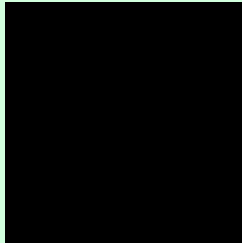
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

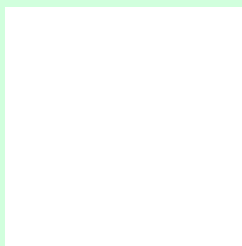
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.1056, 90.2958, 81.8770

Background



This preview shows how black text looks on a background with the XYZ color 75.1056, 90.2958, 81.8770.



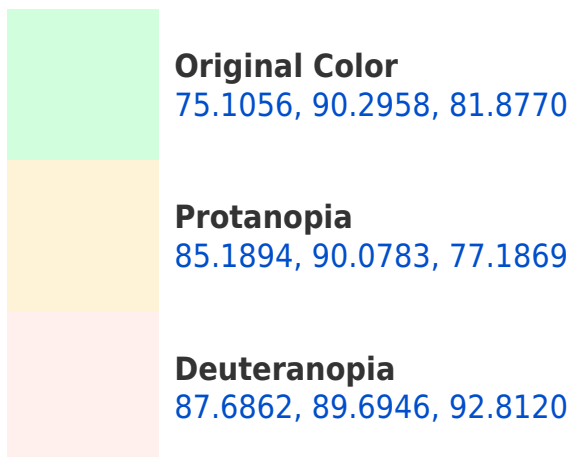
This preview shows how white text looks on a background with the XYZ color 75.1056, 90.2958,

81.8770.

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

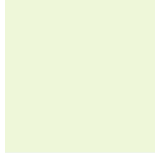
84.2845, 90.2873, 107.5927

Trichromacy



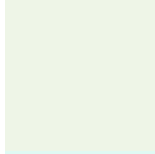
Original Color

75.1056, 90.2958, 81.8770



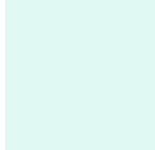
Protanomaly

81.0450, 89.7084, 78.6896



Deuteranomaly

82.3361, 89.2515, 88.4890



Tritanomaly

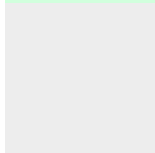
80.7938, 90.0697, 97.9209

Monochromacy



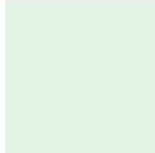
Original Color

75.1056, 90.2958, 81.8770



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.4530, 86.8018, 88.2208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.1056, 90.2958, 81.8770 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, 221)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 221)  
}
```

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, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 221) }
```

Border

The CSS property to change the border of an element to XYZ 75.1056, 90.2958, 81.8770 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, 221) }
```


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

```
.border{ border-color:rgb(209, 255, 221) }
```

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, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 221);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 75.1056, 90.2958, 81.8770 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, 221) }
```

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

```
.background{ background-color: rgb(209,  
255, 221) }
```

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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