

Converting Colors

XYZ(80.1995, 100.0000,
83.0659)

Have a look what the booklet for
XYZ(80.1995, 100.0000, 83.0659)
contains.

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Color

**XYZ(75.2566, 90.3889,
81.1905)**

Conversions

Conversions Part 1

Format	Color
Hex	D2FFDC
RGB	210, 255, 220
RGB Percent	82%, 100%, 86%
CMY	0.1765, 0.0000, 0.1372
CMYK	0.18, 0.00, 0.14, 0.00
HSL	133°, 100%, 91%
HSV	133°, 18%, 100%
XYZ	75.2566, 90.3889, 81.1905
YIQ	237.5550, -15.5850, -20.4250

Conversions

Conversions Part 2

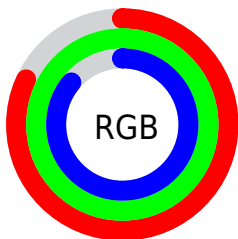
Format	Color
R_{YB}	210, 247, 255
Decimal	13828060
CIE _{Lab}	96.16, -20.87, 12.01
CIE _{LCh}	96, 24.085, 150.078
Yxy	90.3889, 0.3049, 0.3662
Android (android.graphics.Color)	4292018140 (0xFFD2FFDC)
YUV	237.5550, -8.6546, -24.1657
Hunter-Lab	95.0731, -25.0834, 15.9187

Details

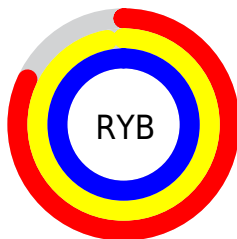
The XYZ color **75.2566, 90.3889, 81.1905** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **80.7684, 73.9466, 96.4021**, and the grayscale version is **80.9970, 85.2152, 92.7993**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.5032, 50.0733, 43.1277** is the 20% darker color. If you saturate the color by 10%, you get **66.0927, 85.9505, 67.8539**, and if you desaturate by 10%, it is **85.8905, 95.5492, 96.2255**.

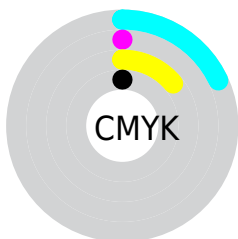
Distribution



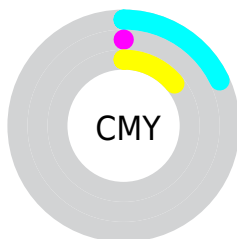
- Red (82%)
- Green (100%)
- Blue (86%)



- Red (82%)
- Yellow (97%)
- Blue (100%)



- Cyan (18%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)



- Cyan (18%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.2566, 90.3889, 81.1905 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 75.2566, 90.3889, 81.1905 by changing the saturation by 10% instead.

75.2566, 90.3889,
81.1905

75.2566, 90.3889,
81.1905

467.7827,
529.2951, 518.7481

56.1180, 68.3032,
60.1666

125.6615,
147.8785, 136.8647

40.5349, 50.1445,
43.1267

157.6585,
184.0512, 172.3521

28.1419, 35.5282,
29.6524

194.6725,
225.6884, 213.4977

18.5737, 24.0700,
19.3251

237.0686,
273.1744, 260.7200

11.4648, 15.3856,
11.7263

285.2124,
326.8937, 314.4377

6.4500, 9.0904,
6.4373

339.4690,

3.1638, 4.8002,

387.2307, 375.0693

3.0397

400.2040,
454.5697, 443.0332

■ 1.2410, 2.1305,
1.1149

■ 0.1384, 0.6817,
0.0000

■ 75.2566, 90.3889,
81.1905

■ 75.2566, 90.3889,
81.1905

■ 66.0927, 85.9505,
67.8539

■ 85.8905, 95.5492,
96.2255

■ 58.3309, 82.2001,
56.1516

95.0500, 100.0000,
108.9000

■ 51.9016, 79.1032,
46.0219

■ 46.7278, 76.6215,
37.3975

■ 42.7247, 74.7129,
30.2061

■ 39.7966, 73.3296,
24.3696

■ 37.8319, 72.4158,
19.8020

■ 36.6866, 71.8993,
16.4072

■ 36.4903, 71.8121,
15.7658

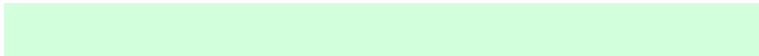
Harmonies

Analogous

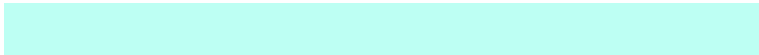
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.6359, 90.3889, 69.9023



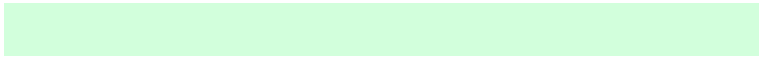
75.2566, 90.3889, 81.1905



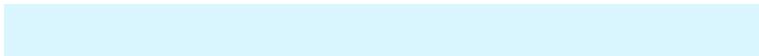
73.7005, 90.3889, 98.4683

Triad

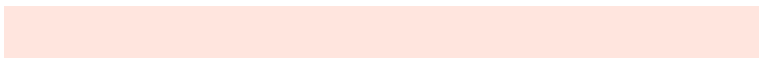
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.2566, 90.3889, 81.1905



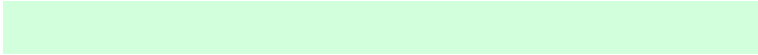
85.9294, 90.3889, 139.9629



97.5093, 90.3889, 81.1141

Complementary

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



75.2566, 90.3889, 81.1905



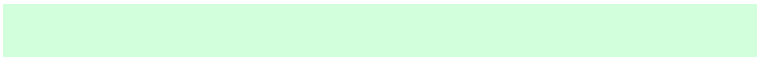
80.7684, 73.9466, 96.4021

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.



99.4028, 90.3889, 98.3680



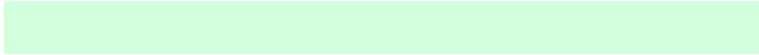
75.2566, 90.3889, 81.1905



92.5094, 90.3889, 133.7936

Square

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



75.2566, 90.3889, 81.1905



79.6647, 90.3889, 133.8551



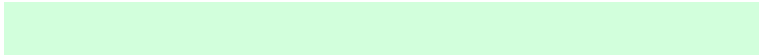
97.5284, 90.3889, 117.9251



92.4775, 90.3889, 69.8624

Rectangle

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



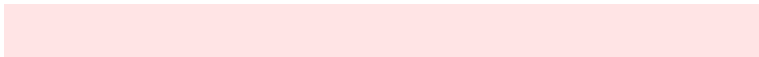
75.2566, 90.3889, 81.1905



74.4073, 90.3889, 111.5903



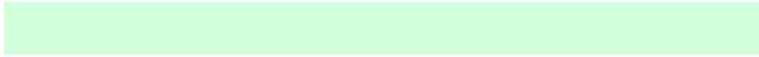
97.5284, 90.3889, 117.9251



98.5452, 90.3889, 86.3256

Sweetspot

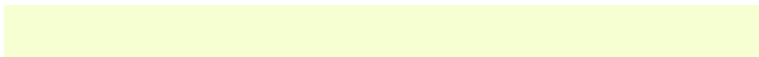
The Sweet Spot groups the original color and five complimentary colors.



75.2574, 90.3893, 81.1919



88.9580, 97.0392, 100.4949



85.1367, 95.6308, 74.9453



18.8641, 20.6846, 21.2648



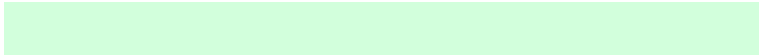
0.0000, 0.0000, 0.0000



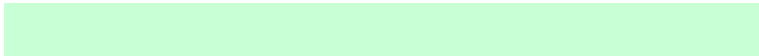
20.3446, 21.4041, 23.3091

Same Dimension

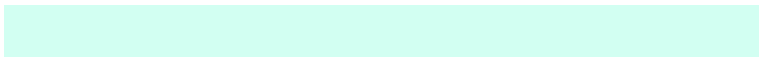
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.2574, 90.3893, 81.1919



72.0234, 88.8219, 76.5328



78.4035, 91.6478, 97.7593



17.9368, 20.2343, 19.9703



19.1123, 37.5415, 8.4769



1.8997, 3.6708, 1.0299

Inverse Universe

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



80.7684, 73.9466, 96.4021



78.4244, 69.7205, 94.1966



77.5728, 72.6683, 79.5742



18.6097, 18.2272, 21.8279



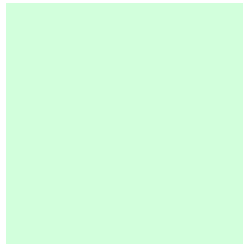
26.9534, 13.2707, 29.4689



2.6649, 1.3083, 3.0827

Previews

White Background



This preview shows how the XYZ color 75.2566, 90.3889, 81.1905 looks on a white background.

Color Contrast Check

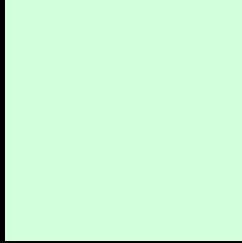
Large Text (above 18pt) WCAG AA × Fail

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 75.2566, 90.3889, 81.1905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

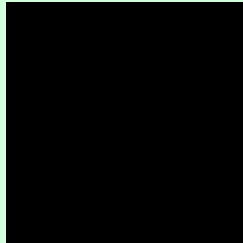
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

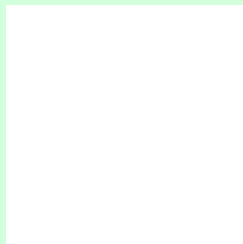
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.2566, 90.3889, 81.1905

Background



This preview shows how black text looks on a background with the XYZ color 75.2566, 90.3889, 81.1905.



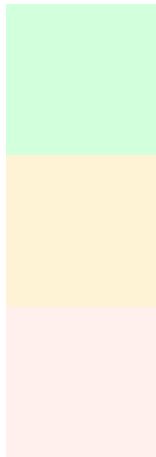
This preview shows how white text looks on a background with the XYZ color 75.2566, 90.3889,

81.1905.

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

75.2566, 90.3889, 81.1905

Protanopia

85.4282, 90.2162, 76.5293

Deuteranopia

87.6862, 89.6946, 92.8120



Tritanopia

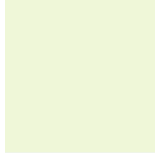
84.2845, 90.2873, 107.5927

Trichromacy



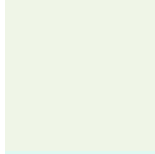
Original Color

75.2566, 90.3889, 81.1905



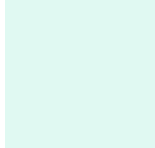
Protanomaly

81.2520, 89.8301, 78.0223



Deuteranomaly

82.6728, 89.4251, 88.5047



Tritanomaly

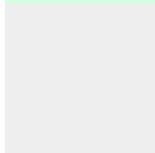
80.6432, 90.0095, 97.1276

Monochromacy



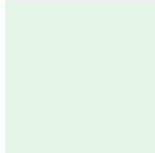
Original Color

75.2566, 90.3889, 81.1905



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

78.7694, 86.9649, 88.2356

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.2566, 90.3889, 81.1905 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(210, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(210, 255, 220)  
}
```

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(210, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 255, 220) }
```

Border

The CSS property to change the border of an element to XYZ 75.2566, 90.3889, 81.1905 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(210, 255, 220) }
```


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

```
.border{ border-color:rgb(210, 255, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 255, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(210, 255,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 75.2566, 90.3889, 81.1905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 255, 220) }
```

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

```
.background{ background-color: rgb(210,  
255, 220) }
```

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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