

Converting Colors

XYZ(76.5002, 91.1990, 73.6150)

Have a look what the booklet for
XYZ(76.5002, 91.1990, 73.6150)
contains.

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Color

**XYZ(76.4820, 91.1835,
73.8907)**

Conversions

Conversions Part 1

Format	Color
Hex	DBFFD1
RGB	219, 255, 209
RGB Percent	86%, 100%, 82%
CMY	0.1412, 0.0000, 0.1804
CMYK	0.14, 0.00, 0.18, 0.00
HSL	107°, 100%, 91%
HSV	107°, 18%, 100%
XYZ	76.4820, 91.1835, 73.8907
YIQ	238.9920, -6.6900, -21.9380

Conversions

Conversions Part 2

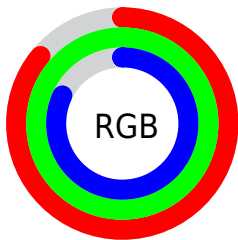
Format	Color
R _Y B	209, 255, 245
Decimal	14417873
CIE Lab	96.49, -19.79, 18.19
CIE LCh	96, 26.877, 137.419
Yxy	91.1835, 0.3166, 0.3775
Android (android.graphics.Color)	4292607953 (0xFFDBFFD1)
YUV	238.9920, -14.7861, -17.5330
Hunter-Lab	95.4901, -24.1394, 20.9641

Details

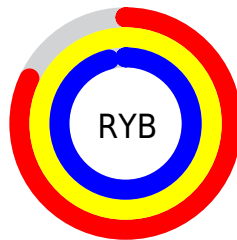
The XYZ color **76.4820, 91.1835, 73.8907** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.5075, 72.2346, 104.4126**, and the grayscale version is **82.1525, 86.4308, 94.1232**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.3367, 50.6138, 38.1626** is the 20% darker color. If you saturate the color by 10%, you get **67.9246, 87.1080, 58.3077**, and if you desaturate by 10%, it is **86.2659, 95.8328, 92.1715**.

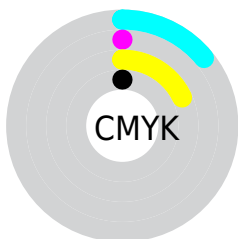
Distribution



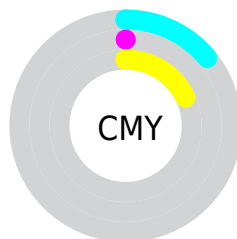
- Red (86%)
- Green (100%)
- Blue (82%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.4820, 91.1835, 73.8907 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 76.4820, 91.1835, 73.8907 by changing the saturation by 10% instead.


 76.4820, 91.1835,
73.8907

 76.4820, 91.1835,
73.8907


471.9151,
531.8733, 493.2494

 57.1263, 68.9627,
54.2083


127.3847,
148.9812, 126.4735

 41.3472, 50.6813,
38.3739


159.6625,
185.3269, 160.2110

 28.7793, 35.9550,
25.9690


196.9782,
227.1497, 199.4706

 19.0574, 24.3995,
16.5749

239.6974,
274.8339, 244.6708

 11.8160, 15.6302,
9.7731

288.1853,
328.7640, 296.2303

 6.6898, 9.2629,
5.1451

342.8073,

 3.3135, 4.9130,

389.3243, 354.5675

2.2725

403.9288,
456.8992, 420.1010

■ 1.3216, 2.1963,
0.7157

■ 0.1993, 0.7180,
0.0000

■ 76.4820, 91.1835,
73.8907

■ 76.4820, 91.1835,
73.8907

■ 67.9246, 87.1080,
58.3077

■ 86.2659, 95.8328,
92.1715

■ 60.5424, 83.5828,
45.2909

95.0500, 100.0000,
108.9000

■ 54.2833, 80.5840,
34.7036

■ 49.0905, 78.0855,
26.3952

■ 44.9017, 76.0590,
20.1979

■ 41.6479, 74.4729,
15.9213

■ 39.2506, 73.2916,
13.3402

■ 37.6117, 72.4714,
12.1497

■ 37.3593, 72.3445,
11.9948

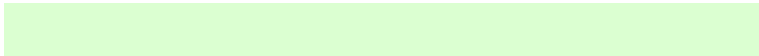
Harmonies

Analogous

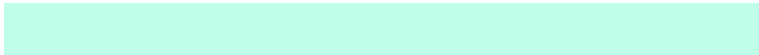
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4239, 91.1835, 64.8770



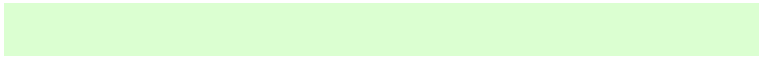
76.4820, 91.1835, 73.8907



73.3477, 91.1835, 90.5608

Triad

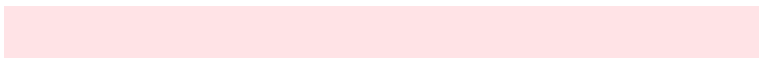
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.4820, 91.1835, 73.8907



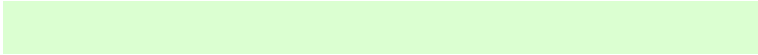
83.5654, 91.1835, 145.2642



101.1593, 91.1835, 87.4324

Complementary

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



76.4820, 91.1835, 73.8907



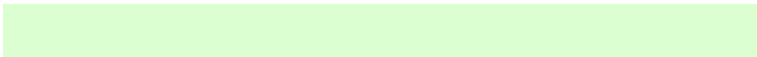
78.5075, 72.2346, 104.4126

Split Complementary

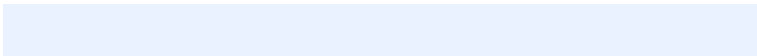
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.5088, 91.1835, 108.5487



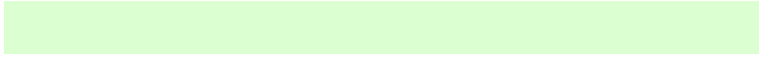
76.4820, 91.1835, 73.8907



91.0537, 91.1835, 144.1052

Square

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



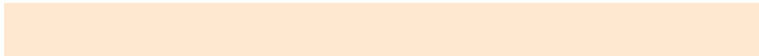
76.4820, 91.1835, 73.8907



77.2761, 91.1835, 132.8835



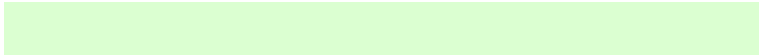
97.7187, 91.1835, 129.9140



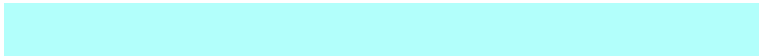
96.7898, 91.1835, 71.8860

Rectangle

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



76.4820, 91.1835, 73.8907



73.1462, 91.1835, 104.7090



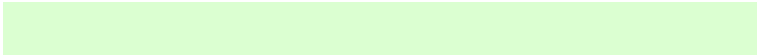
97.7187, 91.1835, 129.9140



101.7594, 91.1835, 94.0484

Sweetspot

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



76.4826, 91.1838, 73.8921



89.4883, 97.3622, 98.2776



85.1800, 90.7258, 73.3453



18.9924, 20.7628, 20.7282



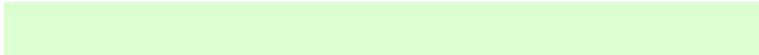
0.0000, 0.0000, 0.0000



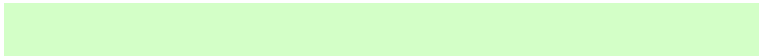
20.3446, 21.4041, 23.3091

Same Dimension

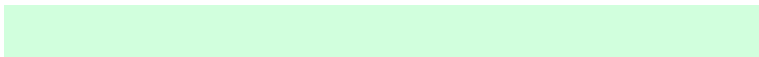
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.4826, 91.1838, 73.8921



72.9484, 89.5018, 67.4028



75.1420, 90.3104, 82.0653



18.1407, 20.3584, 19.1178



19.6229, 37.8540, 6.2723



1.9982, 3.7309, 0.6148

Inverse Universe

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



78.5075, 72.2346, 104.4126



75.3453, 67.0408, 103.5768



80.1785, 73.3169, 94.5092



18.3836, 18.0895, 22.7726



21.9496, 10.2259, 50.2515



2.2284, 1.0427, 4.8971

Previews

White Background



This preview shows how the XYZ color 76.4820, 91.1835, 73.8907 looks on a white background.

Color Contrast Check

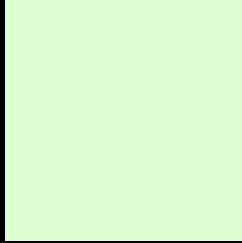
Large Text (above 18pt) WCAG AA × Fail

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 76.4820, 91.1835, 73.8907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

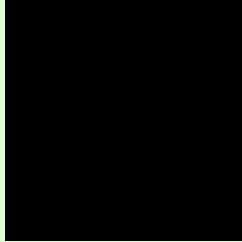
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

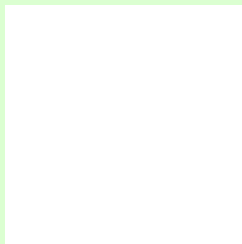
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.4820, 91.1835, 73.8907

Background



This preview shows how black text looks on a background with the XYZ color 76.4820, 91.1835, 73.8907.

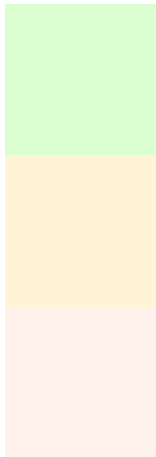


This preview shows how white text looks on a background with the XYZ color 76.4820, 91.1835,

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

76.4820, 91.1835, 73.8907

Protanopia

85.7283, 90.8164, 76.6293

Deuteranopia

88.1325, 90.8204, 92.2419



Tritanopia

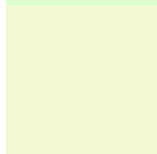
85.9308, 91.1361, 107.6697

Trichromacy



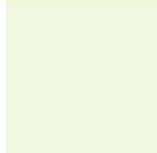
Original Color

76.4820, 91.1835, 73.8907



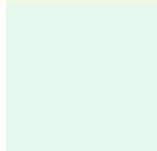
Protanomaly

82.0690, 90.7655, 75.4814



Deuteranomaly

83.6062, 90.8898, 85.0885



Tritanomaly

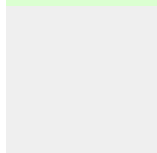
81.9414, 90.7474, 94.0861

Monochromacy



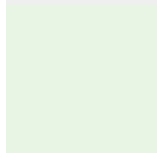
Original Color

76.4820, 91.1835, 73.8907



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

79.9347, 88.0621, 86.1835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.4820, 91.1835, 73.8907 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(219, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(219, 255, 209)  
}
```

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(219, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 255, 209) }
```

Border

The CSS property to change the border of an element to XYZ 76.4820, 91.1835, 73.8907 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(219, 255, 209) }
```


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

```
.border{ border-color:rgb(219, 255, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(219, 255,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 76.4820, 91.1835, 73.8907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 255, 209) }
```

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

```
.background{ background-color: rgb(219,  
255, 209) }
```

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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