

Converting Colors

XYZ(86.7777, 111.8772,
82.7240)

Have a look what the booklet for
XYZ(86.7777, 111.8772, 82.7240)
contains.

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Color

**XYZ(76.3087, 90.9768,
79.1840)**

Conversions

Conversions Part 1

Format	Color
Hex	D7FFD9
RGB	215, 255, 217
RGB Percent	84%, 100%, 85%
CMY	0.1569, 0.0000, 0.1490
CMYK	0.16, 0.00, 0.15, 0.00
HSL	123°, 100%, 92%
HSV	123°, 16%, 100%
XYZ	76.3087, 90.9768, 79.1840
YIQ	238.7080, -11.6420, -20.2980

Conversions

Conversions Part 2

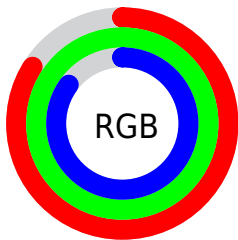
Format	Color
R_{YB}	215, 253, 255
Decimal	14155737
CIE _{Lab}	96.40, -19.78, 13.94
CIE _{LCh}	96, 24.194, 144.821
Yxy	90.9768, 0.3096, 0.3691
Android (android.graphics.Color)	4292345817 (0xFFD7FFD9)
YUV	238.7080, -10.7020, -20.7919
Hunter-Lab	95.3818, -24.1119, 17.5459

Details

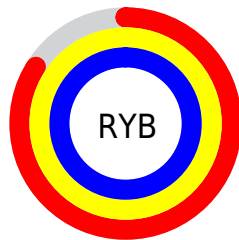
The XYZ color **76.3087, 90.9768, 79.1840** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **83.2704, 76.9534, 103.3927**, and the grayscale version is **81.9036, 86.1690, 93.8380**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.2129, 50.4704, 41.7520** is the 20% darker color. If you saturate the color by 10%, you get **66.4717, 86.2434, 63.4652**, and if you desaturate by 10%, it is **87.7767, 96.4976, 97.3962**.

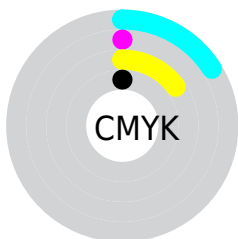
Distribution



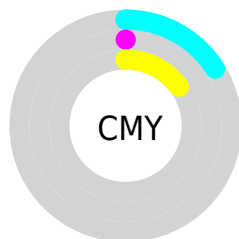
- Red (84%)
- Green (100%)
- Blue (85%)



- Red (84%)
- Yellow (99%)
- Blue (100%)



- Cyan (16%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.3087, 90.9768, 79.1840 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 76.3087, 90.9768, 79.1840 by changing the saturation by 10% instead.


 76.3087, 90.9768,
79.1840

 76.3087, 90.9768,
79.1840


471.3319,
531.2032, 511.8127

 56.9836, 68.7911,
58.5249


127.1412,
148.6945, 134.0189

 41.2322, 50.5416,
41.8133


159.3793,
184.9952, 169.0317

 28.6890, 35.8439,
28.6306


196.6525,
226.7698, 209.6662

 18.9888, 24.3137,
18.5584

239.3262,
274.4025, 256.3410

 11.7661, 15.5665,
11.1781

287.7656,
328.2778, 309.4744

 6.6557, 9.2179,
6.0711

342.3361,

 3.2921, 4.8836,

388.7801, 369.4852

2.8188

403.4031,
456.2938, 436.7917

■ 1.3101, 2.1791,
1.0029

■ 0.1907, 0.7086,
0.0000

■ 76.3087, 90.9768,
79.1840

■ 76.3087, 90.9768,
79.1840

■ 66.4717, 86.2434,
63.4652

■ 87.7767, 96.4976,
97.3962

■ 58.1897, 82.2605,
50.1273

95.0500, 100.0000,
108.9000

■ 51.3836, 78.9898,
39.0556

■ 45.9667, 76.3894,
30.1242

■ 41.8432, 74.4128,
23.1949

■ 38.9051, 73.0076,
18.1133

■ 37.0270, 72.1129,
14.7027

■ 36.0547, 71.6538,
12.7517

■ 35.8311, 71.5484,
12.2942

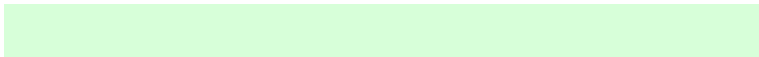
Harmonies

Analogous

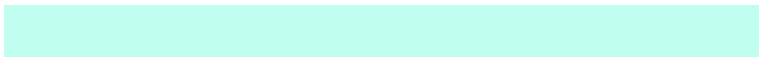
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.1459, 90.9768, 69.0565



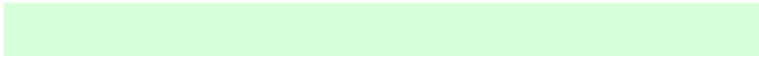
76.3087, 90.9768, 79.1840



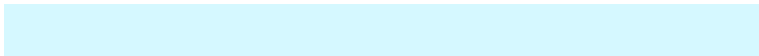
74.2002, 90.9768, 95.7468

Triad

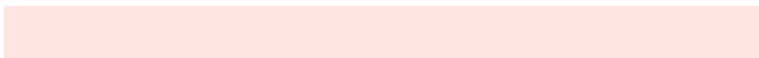
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.3087, 90.9768, 79.1840



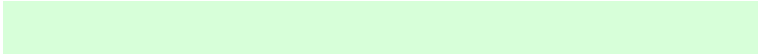
85.3066, 90.9768, 140.7916



98.7694, 90.9768, 84.2861

Complementary

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



76.3087, 90.9768, 79.1840



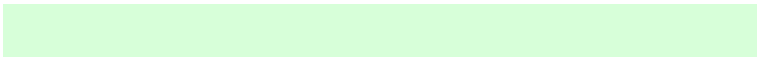
83.2704, 76.9534, 103.3927

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.



100.0245, 90.9768, 102.4452



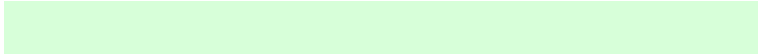
76.3087, 90.9768, 79.1840



92.0235, 90.9768, 136.6912

Square

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



76.3087, 90.9768, 79.1840



79.2199, 90.9768, 132.5820



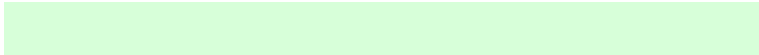
97.4971, 90.9768, 122.0074



94.1510, 90.9768, 71.7232

Rectangle

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



76.3087, 90.9768, 79.1840



74.5422, 90.9768, 108.8547



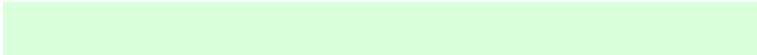
97.4971, 90.9768, 122.0074



99.6084, 90.9768, 89.8679

Sweetspot

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



76.3094, 90.9772, 79.1854



88.6245, 96.9058, 98.7388



88.5340, 97.3090, 78.4073



18.7834, 20.6523, 20.8397



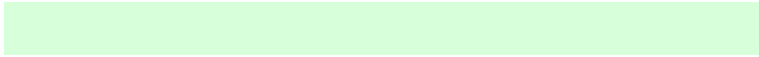
0.0000, 0.0000, 0.0000



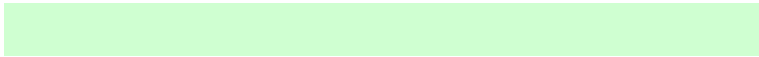
20.3446, 21.4041, 23.3091

Same Dimension

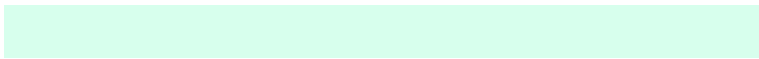
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.3094, 90.9772, 79.1854



72.8719, 89.3228, 73.7045



79.0709, 92.0818, 93.7273



17.8084, 20.1829, 19.2940



18.7378, 37.3917, 6.5044



1.8368, 3.6456, 0.6984

Inverse Universe

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



83.2704, 76.9534, 103.3927



81.1062, 72.7328, 102.3395



80.2489, 75.7449, 87.4820



18.7511, 18.2838, 22.5725



29.9597, 14.4732, 45.2998



2.9287, 1.4138, 4.4717

Previews

White Background



This preview shows how the XYZ color 76.3087, 90.9768, 79.1840 looks on a white background.

Color Contrast Check

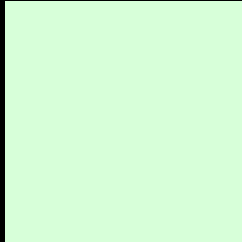
Large Text (above 18pt) WCAG AA × Fail

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 76.3087, 90.9768, 79.1840 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

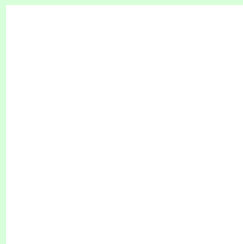
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.3087, 90.9768, 79.1840

Background



This preview shows how black text looks on a background with the XYZ color 76.3087, 90.9768, 79.1840.



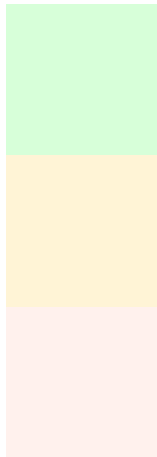
This preview shows how white text looks on a background with the XYZ color 76.3087, 90.9768,

79.1840.

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

76.3087, 90.9768, 79.1840

Protanopia

85.7283, 90.8164, 76.6293

Deuteranopia

87.9814, 90.2850, 92.9104



Tritanopia

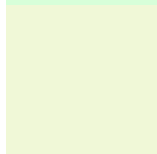
85.2667, 90.7937, 107.6386

Trichromacy



Original Color

76.3087, 90.9768, 79.1840



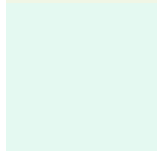
Protanomaly

81.7683, 90.5664, 77.4614



Deuteranomaly

83.1739, 90.1500, 87.8799



Tritanomaly

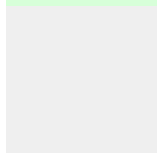
81.7478, 90.5962, 96.3973

Monochromacy



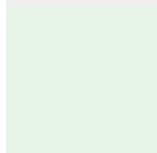
Original Color

76.3087, 90.9768, 79.1840



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

79.7093, 87.8973, 88.3661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.3087, 90.9768, 79.1840 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(215, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(215, 255, 217)  
}
```

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(215, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 255, 217) }
```

Border

The CSS property to change the border of an element to XYZ 76.3087, 90.9768, 79.1840 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(215, 255, 217) }
```


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

```
.border{ border-color:rgb(215, 255, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 255, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(215, 255,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 76.3087, 90.9768, 79.1840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 255, 217) }
```

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

```
.background{ background-color: rgb(215,  
255, 217) }
```

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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