

Converting Colors

XYZ(80.6549, 87.1220,
116.8870)

Have a look what the booklet for
XYZ(80.6549, 87.1220, 116.8870)
contains.

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Color

**XYZ(79.0160, 86.6731,
107.1727)**

Conversions

Conversions Part 1

Format	Color
Hex	D9F4FF
RGB	217, 244, 255
RGB Percent	85%, 96%, 100%
CMY	0.1490, 0.0431, 0.0000
CMYK	0.15, 0.04, 0.00, 0.00
HSL	197°, 100%, 93%
HSV	197°, 15%, 100%
XYZ	79.0160, 86.6731, 107.1727
YIQ	237.1810, -19.6230, -2.3030

Conversions

Conversions Part 2

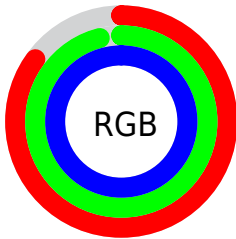
Format	Color
R_{YB}	217, 233, 255
Decimal	14284031
CIE _{Lab}	94.60, -6.58, -8.26
CIE _{LCh}	95, 10.559, 231.455
Yxy	86.6731, 0.2896, 0.3176
Android (android.graphics.Color)	4292474111 (0xFFD9F4FF)
YUV	237.1810, 8.7848, -17.6987
Hunter-Lab	93.0984, -11.4227, -3.0844

Details

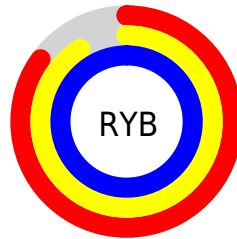
The XYZ color **79.0160, 86.6731, 107.1727** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.5074, 81.7553, 77.1319**, and the grayscale version is **80.5829, 84.7795, 92.3249**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.0766, 47.7250, 60.3676** is the 20% darker color. If you saturate the color by 10%, you get **69.8387, 78.7140, 106.1202**, and if you desaturate by 10%, it is **89.4579, 95.4207, 108.3108**.

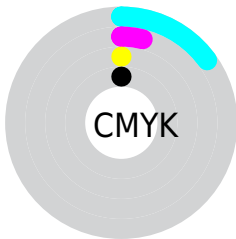
Distribution



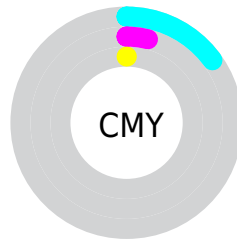
- Red (85%)
- Green (96%)
- Blue (100%)



- Red (85%)
- Yellow (91%)
- Blue (100%)



- Cyan (15%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.0160, 86.6731, 107.1727 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 79.0160, 86.6731, 107.1727 by changing the saturation by 10% instead.

79.0160, 86.6731,
107.1727

79.0160, 86.6731,
107.1727

480.3977,
517.1481, 604.3943

59.2146, 65.2247,
81.6540

130.9392,
142.7084, 173.1173

43.0330, 47.6433,
60.5462

163.7917,
178.0641, 214.3802

30.1056, 33.5445,
43.4309

201.7254,
218.8244, 261.7282

20.0672, 22.5439,
29.8894

245.1055,
265.3736, 315.5799

12.5525, 14.2571,
19.5033

294.2974,
318.0962, 376.3538

7.1960, 8.2997,
11.8540

349.6665,

3.6324, 4.2873,

377.3766, 444.4685

6.5230

411.5781,
443.5991, 520.3425

■ 1.4963, 1.8355,
3.0918

■ 0.3233, 0.5092,
1.1417

■ 79.0160, 86.6731,
107.1727

■ 79.0160, 86.6731,
107.1727

■ 69.8387, 78.7140,
106.1202

■ 89.4579, 95.4207,
108.3108

■ 61.8644, 71.5032,
105.1486

95.0500, 100.0000,
108.9000

■ 55.0367, 65.0124,
104.2556

■ 49.2915, 59.2069,
103.4379

■ 44.5582, 54.0488,
102.6917

■ 40.7571, 49.4953,
102.0132

■ 37.7956, 45.4970,
101.3975

■ 35.5600, 41.9936,
100.8391

■ 34.6174, 40.3548,
100.5725

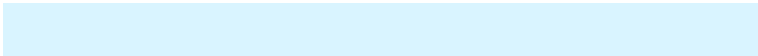
Harmonies

Analogous

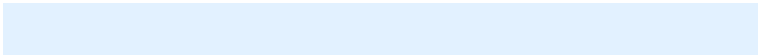
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.3897, 86.6731, 100.2237



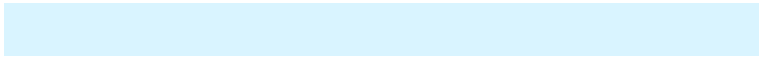
79.0160, 86.6731, 107.1727



81.5695, 86.6731, 110.7402

Triad

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



79.0160, 86.6731, 107.1727



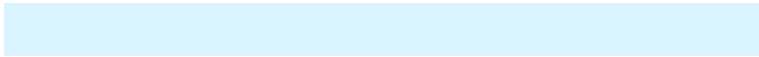
87.9130, 86.6731, 96.7208



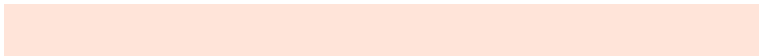
80.3941, 86.6731, 80.5203

Complementary

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



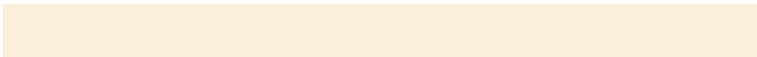
79.0160, 86.6731, 107.1727



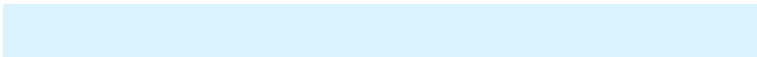
81.5074, 81.7553, 77.1319

Split Complementary

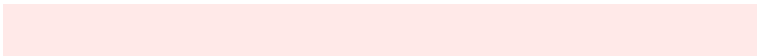
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.1962, 86.6731, 79.7023



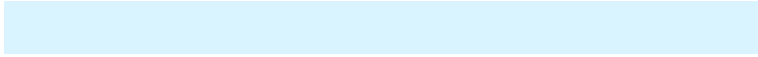
79.0160, 86.6731, 107.1727



87.5807, 86.6731, 88.7532

Square

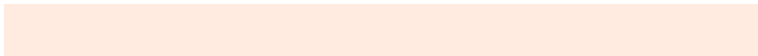
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



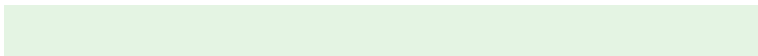
79.0160, 86.6731, 107.1727



86.7362, 86.6731, 104.4822



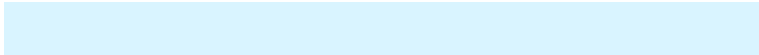
85.8385, 86.6731, 82.6339



78.1725, 86.6731, 84.9365

Rectangle

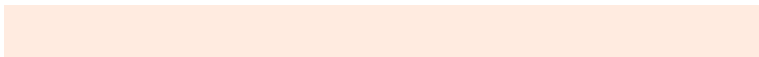
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.0160, 86.6731, 107.1727



83.4722, 86.6731, 110.5864



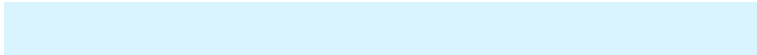
85.8385, 86.6731, 82.6339



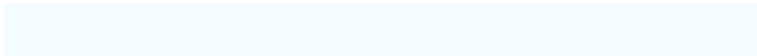
81.2978, 86.6731, 79.8259

Sweetspot

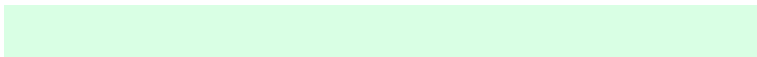
The Sweet Spot groups the original color and five complimentary colors.



79.0183, 86.6766, 107.1733



90.4621, 96.2478, 108.4176



78.3475, 91.8607, 86.8320



19.1830, 20.4531, 23.1867



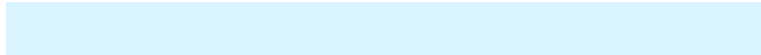
0.0000, 0.0000, 0.0000



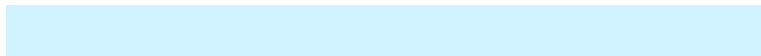
20.3446, 21.4041, 23.3091

Same Dimension

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



79.0183, 86.6766, 107.1733



76.0412, 84.1267, 106.8380



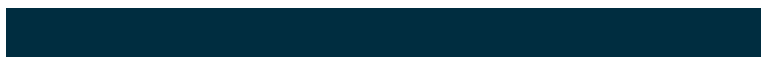
73.6549, 75.9499, 105.3855



18.0848, 19.5412, 23.0686



18.2231, 21.3557, 52.5962



1.8683, 2.2673, 5.1524

Inverse Universe

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



82.3834, 77.4190, 96.1934



80.0498, 73.3039, 93.7129



86.9543, 92.6491, 78.9475



18.5554, 18.2055, 21.5421



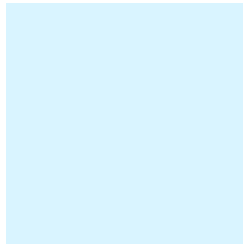
25.9864, 12.8838, 24.3764



2.5776, 1.2734, 2.6233

Previews

White Background



This preview shows how the XYZ color 79.0160, 86.6731, 107.1727 looks on a white background.

Color Contrast Check

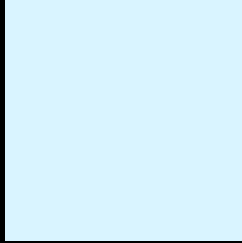
Large Text (above 18pt) WCAG AA × Fail

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 79.0160, 86.6731, 107.1727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

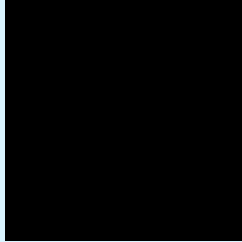
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

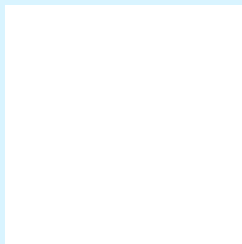
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 79.0160, 86.6731, 107.1727

Background



This preview shows how black text looks on a background with the XYZ color 79.0160, 86.6731, 107.1727.



This preview shows how white text looks on a background with the XYZ color 79.0160, 86.6731,

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

79.0160, 86.6731, 107.1727

Protanopia

83.9223, 86.6394, 103.5667

Deuteranopia

87.3338, 86.1933, 106.6417



Tritanopia

80.8535, 86.7318, 107.0872

Trichromacy



Original Color

79.0160, 86.6731, 107.1727

Protanomaly

82.0095, 86.5043, 104.4701

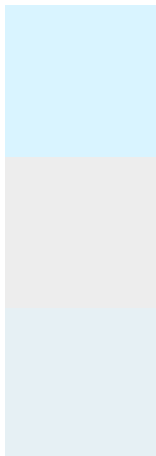
Deuteranomaly

83.9308, 86.1391, 106.8106

Tritanomaly

80.2248, 86.8508, 107.1433

Monochromacy



Original Color

79.0160, 86.6731, 107.1727

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.1223, 85.6748, 97.9019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.0160, 86.6731, 107.1727 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(217, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 244, 255)  
}
```

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(217, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 244, 255) }
```

Border

The CSS property to change the border of an element to XYZ 79.0160, 86.6731, 107.1727 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(217, 244, 255) }
```


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

```
.border{ border-color:rgb(217, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 244,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 79.0160, 86.6731, 107.1727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 244, 255) }
```

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

```
.background{ background-color: rgb(217,  
244, 255) }
```

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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