

Converting Colors

XYZ(80.0351, 87.4550,
116.8303)

Have a look what the booklet for
XYZ(80.0351, 87.4550, 116.8303)
contains.

XYZ(78.1430, 86.6709, 107.2183)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(78.1430, 86.6709,
107.2183)**

Conversions

Conversions Part 1

Format	Color
Hex	D5F5FF
RGB	213, 245, 255
RGB Percent	84%, 96%, 100%
CMY	0.1647, 0.0392, 0.0000
CMYK	0.16, 0.04, 0.00, 0.00
HSL	194°, 100%, 92%
HSV	194°, 16%, 100%
XYZ	78.1430, 86.6709, 107.2183
YIQ	236.5720, -22.2820, -3.6740

Conversions

Conversions Part 2

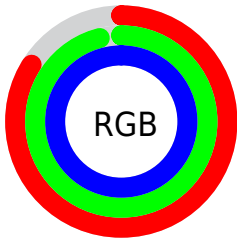
Format	Color
R_{YB}	213, 231, 255
Decimal	14022143
CIE Lab	94.60, -8.31, -8.29
CIE LCh	95, 11.739, 224.914
Yxy	86.6709, 0.2873, 0.3186
Android (android.graphics.Color)	4292212223 (0xFFD5F5FF)
YUV	236.5720, 9.0850, -20.6726
Hunter-Lab	93.0972, -13.0926, -3.1151

Details

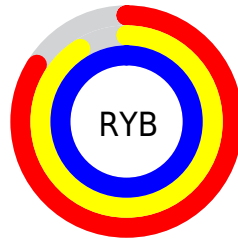
The XYZ color **78.1430, 86.6709, 107.2183** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.6377, 78.8384, 73.9726**, and the grayscale version is **80.1139, 84.2861, 91.7875**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4912, 47.7415, 60.4016** is the 20% darker color. If you saturate the color by 10%, you get **69.5146, 79.5440, 106.2975**, and if you desaturate by 10%, it is **87.9992, 94.5248, 108.2148**.

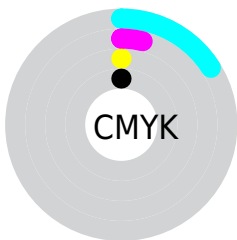
Distribution



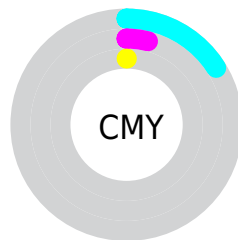
- Red (84%)
- Green (96%)
- Blue (100%)



- Red (84%)
- Yellow (91%)
- Blue (100%)



- Cyan (16%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.1430, 86.6709, 107.2183 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 78.1430, 86.6709, 107.2183 by changing the saturation by 10% instead.

78.1430, 86.6709,
107.2183

78.1430, 86.6709,
107.2183

477.4847,
517.1408, 604.5388

58.4946, 65.2229,
81.6920

129.7160,
142.7053, 173.1800

42.4512, 47.6418,
60.5774

162.3713,
178.0606, 214.4526

29.6474, 33.5433,
43.4558

200.0931,
218.8203, 261.8109

19.7179, 22.5430,
29.9089

243.2465,
265.3690, 315.6736

12.2972, 14.2564,
19.5180

292.1970,
318.0910, 376.4592

7.0201, 8.2992,
11.8646

347.3100,

3.5211, 4.2870,

377.3707, 444.5862

6.5301

408.9508,
443.5925, 520.4732

■ 1.4349, 1.8354,
3.0961

■ 0.2809, 0.5091,
1.1439

■ 78.1430, 86.6709,
107.2183

■ 78.1430, 86.6709,
107.2183

■ 69.5146, 79.5440,
106.2975

■ 87.9992, 94.5248,
108.2148

■ 62.0522, 73.1044,
105.4478

95.0500, 100.0000,
108.9000

■ 55.6992, 67.3245,
104.6670

■ 50.3911, 62.1700,
103.9519

■ 46.0563, 57.6033,
103.2989

■ 42.6142, 53.5818,
102.7041

■ 39.9699, 50.0558,
102.1628

■ 38.0053, 46.9633,
101.6695

■ 37.4113, 45.9426,
101.5038

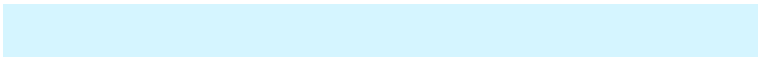
Harmonies

Analogous

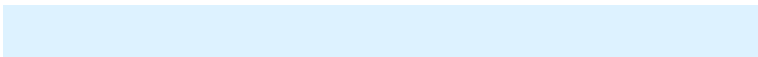
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.6361, 86.6709, 98.9270



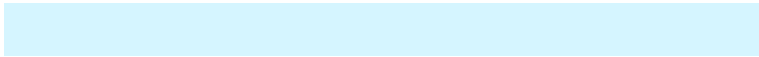
78.1430, 86.6709, 107.2183



80.8042, 86.6709, 112.2186

Triad

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



78.1430, 86.6709, 107.2183



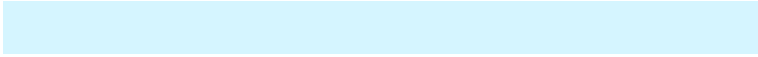
88.3950, 86.6709, 98.9794



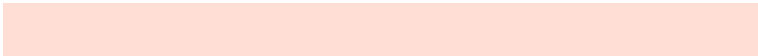
80.8217, 86.6709, 78.5097

Complementary

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



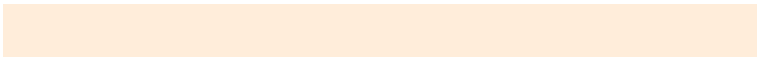
78.1430, 86.6709, 107.2183



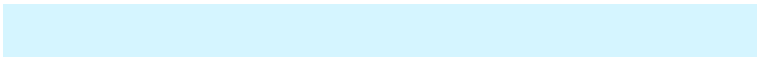
79.6377, 78.8384, 73.9726

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.



83.9723, 86.6709, 78.5218



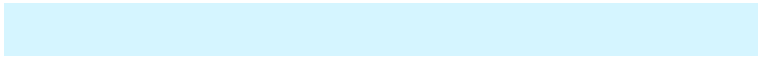
78.1430, 86.6709, 107.2183



88.4000, 86.6709, 89.9549

Square

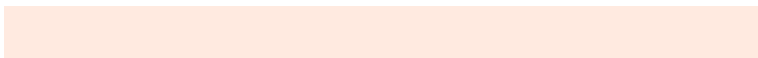
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



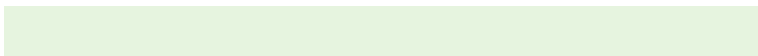
78.1430, 86.6709, 107.2183



86.7501, 86.6709, 107.2588



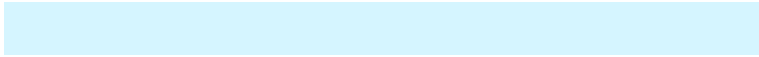
86.7635, 86.6709, 82.5912



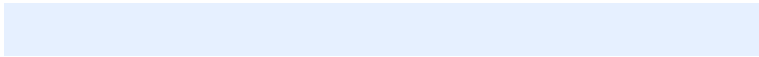
78.1555, 86.6709, 82.5572

Rectangle

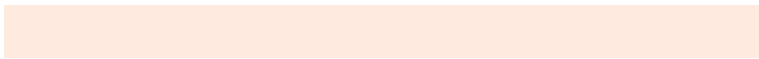
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.1430, 86.6709, 107.2183



82.9005, 86.6709, 112.8221



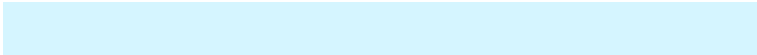
86.7635, 86.6709, 82.5912



81.8579, 86.6709, 78.0480

Sweetspot

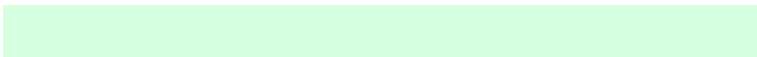
The Sweet Spot groups the original color and five complimentary colors.



78.1453, 86.6744, 107.2189



89.5534, 95.7407, 108.3676



76.4940, 90.9836, 83.2022



19.0083, 20.3676, 23.1794



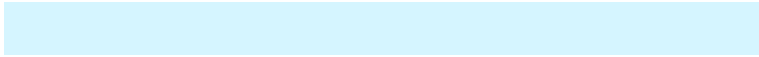
0.0000, 0.0000, 0.0000



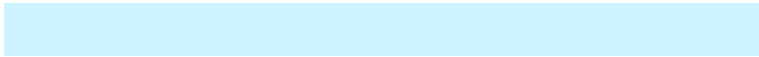
20.3446, 21.4041, 23.3091

Same Dimension

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



78.1453, 86.6744, 107.2189



74.9613, 84.0762, 106.8852



72.2013, 74.7865, 105.2376



18.1670, 19.7056, 23.0960



19.6694, 24.2485, 53.0783



1.9991, 2.5288, 5.1960

Inverse Universe

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



81.5171, 75.4428, 96.6557



78.9897, 70.9085, 94.2086



85.5413, 90.6457, 75.9405



18.5969, 18.2221, 21.7606



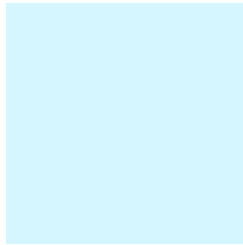
26.7164, 13.1759, 28.2209



2.6436, 1.2998, 2.9708

Previews

White Background



This preview shows how the XYZ color 78.1430, 86.6709, 107.2183 looks on a white background.

Color Contrast Check

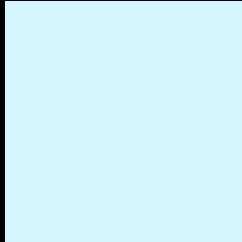
Large Text (above 18pt) WCAG AA × Fail

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 78.1430, 86.6709, 107.2183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

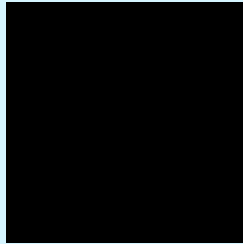
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.1430, 86.6709, 107.2183

Background



This preview shows how black text looks on a background with the XYZ color 78.1430, 86.6709, 107.2183.



This preview shows how white text looks on a background with the XYZ color 78.1430, 86.6709,

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

78.1430, 86.6709, 107.2183

Protanopia

83.9223, 86.6394, 103.5667

Deuteranopia

87.3338, 86.1933, 106.6417



Tritanopia

80.5426, 86.5716, 107.0727

Trichromacy



Original Color

78.1430, 86.6709, 107.2183

Protanomaly

81.6591, 86.7619, 104.5383

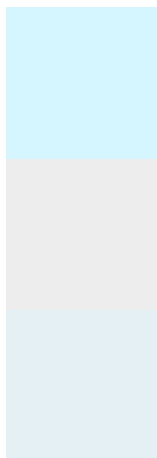
Deuteranomaly

83.5941, 85.9655, 106.7949

Tritanomaly

79.6158, 86.5368, 107.1148

Monochromacy



Original Color

78.1430, 86.6709, 107.2183

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.4841, 85.3458, 97.8721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.1430, 86.6709, 107.2183 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(213, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(213, 245, 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(213, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 245, 255) }
```

Border

The CSS property to change the border of an element to XYZ 78.1430, 86.6709, 107.2183 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(213, 245, 255) }
```


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

```
.border{ border-color:rgb(213, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(213, 245,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 78.1430, 86.6709, 107.2183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 245, 255) }
```

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

```
.background{ background-color: rgb(213,  
245, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor