

Converting Colors

XYZ(78.2801, 86.6758,
103.1526)

Have a look what the booklet for
XYZ(78.2801, 86.6758, 103.1526)
contains.

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Color

**XYZ(78.2266, 86.8059,
103.0747)**

Conversions

Conversions Part 1

Format	Color
Hex	D8F5FA
RGB	216, 245, 250
RGB Percent	85%, 96%, 98%
CMY	0.1529, 0.0392, 0.0196
CMYK	0.14, 0.02, 0.00, 0.02
HSL	189°, 77%, 91%
HSV	189°, 14%, 98%
XYZ	78.2266, 86.8059, 103.0747
YIQ	236.8990, -18.8890, -4.5930

Conversions

Conversions Part 2

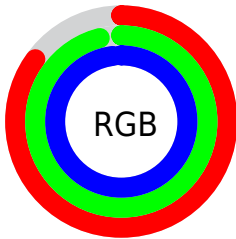
Format	Color
R_{YB}	216, 232, 250
Decimal	14218746
CIE _{Lab}	94.66, -8.39, -5.59
CIE _{LCh}	95, 10.086, 213.674
Yxy	86.8059, 0.2918, 0.3238
Android (android.graphics.Color)	4292408826 (0xFFD8F5FA)
YUV	236.8990, 6.4588, -18.3284
Hunter-Lab	93.1697, -13.1758, -0.3744

Details

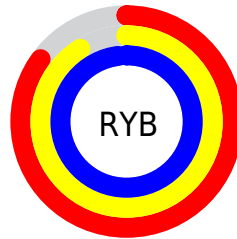
The XYZ color **78.2266, 86.8059, 103.0747** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.6759, 76.9944, 75.7346**, and the grayscale version is **80.3829, 84.5691, 92.0958**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.6331, 47.8673, 58.0312** is the 20% darker color. If you saturate the color by 10%, you get **70.2954, 81.0859, 102.3900**, and if you desaturate by 10%, it is **87.3086, 93.1566, 103.8232**.

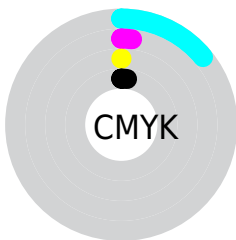
Distribution



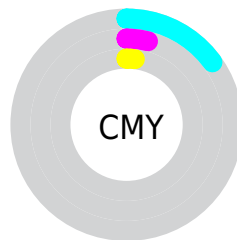
- Red (85%)
- Green (96%)
- Blue (98%)



- Red (85%)
- Yellow (91%)
- Blue (98%)



- Cyan (14%)
- Magenta (2%)
- Yellow (0%)
- Black (2%)



- Cyan (15%)
- Magenta (4%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.2266, 86.8059, 103.0747 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 78.2266, 86.8059, 103.0747 by changing the saturation by 10% instead.

78.2266, 86.8059,
103.0747

78.2266, 86.8059,
103.0747

477.7641,
517.5848, 591.3368

58.5636, 65.3346,
78.2397

129.8332,
142.8936, 167.4648

42.5069, 47.7324,
57.7533

162.5075,
178.2787, 207.8569

29.6913, 33.6150,
41.1969

200.2495,
219.0706, 254.2718

19.7513, 22.5980,
28.1521

243.4247,
265.6536, 307.1280

12.3216, 14.2970,
18.2003

292.3984,
318.4121, 366.8440

7.0368, 8.3275,
10.9230

347.5360,

3.5317, 4.3052,

377.7306, 433.8385

5.9016

409.2028,
443.9934, 508.5299

■ 1.4408, 1.8457,
2.7175

■ 0.2850, 0.5154,
0.9522

■ 78.2266, 86.8059,
103.0747

■ 78.2266, 86.8059,
103.0747

■ 70.2954, 81.0859,
102.3900

■ 87.3086, 93.1566,
103.8232

■ 63.4568, 75.9593,
101.7609

■ 93.4170, 98.0050,
104.4371

■ 57.6585, 71.4015,
101.1868

■ 94.2556, 99.6822,
104.7166

■ 52.8414, 67.3816,
100.6648

■ 48.9397, 63.8657,
100.1918

■ 45.8800, 60.8156,
99.7643

■ 43.5769, 58.1873,
99.3784

■ 41.9265, 55.9268,
99.0290

■ 41.1160, 54.6232,
98.8201

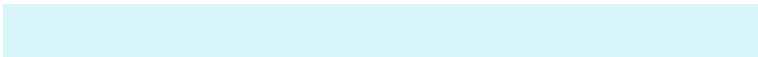
Harmonies

Analogous

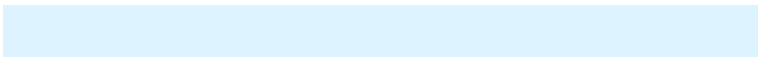
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.3923, 86.8059, 95.4807



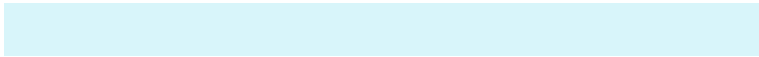
78.2266, 86.8059, 103.0747



80.2068, 86.8059, 108.5995

Triad

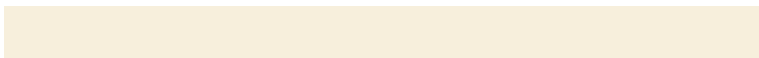
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.2266, 86.8059, 103.0747



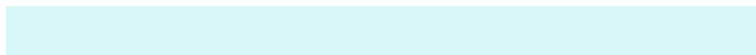
87.2873, 86.8059, 101.3220



82.1714, 86.8059, 80.3324

Complementary

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



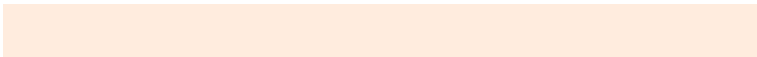
78.2266, 86.8059, 103.0747



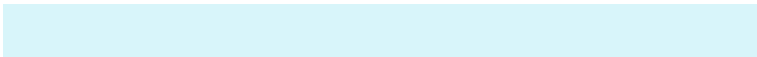
77.6759, 76.9944, 75.7346

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.



84.8495, 86.8059, 81.7076



78.2266, 86.8059, 103.0747



87.8410, 86.8059, 93.5595

Square

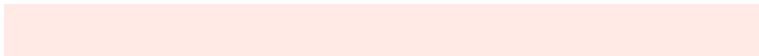
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.2266, 86.8059, 103.0747



85.4428, 86.8059, 107.5491



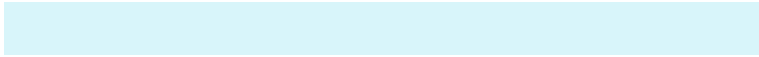
86.9395, 86.8059, 86.4463



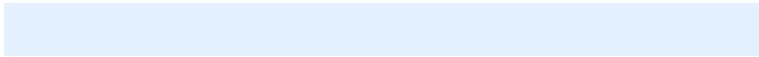
79.6381, 86.8059, 82.5824

Rectangle

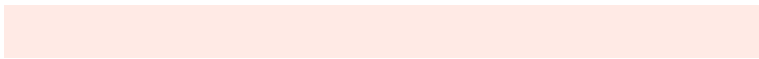
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.2266, 86.8059, 103.0747



81.9310, 86.8059, 110.2128



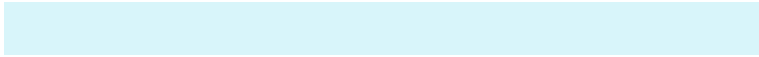
86.9395, 86.8059, 86.4463



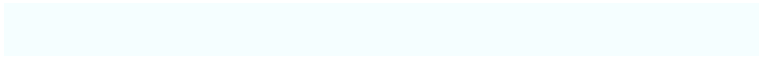
83.0845, 86.8059, 80.3867

Sweetspot

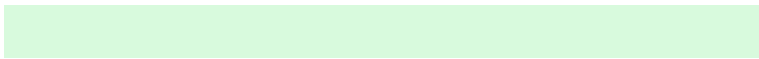
The Sweet Spot groups the original color and five complimentary colors.



78.2291, 86.8095, 103.0766



90.9201, 97.1639, 108.5702



75.4950, 88.1672, 81.1215



19.2992, 20.6855, 23.2255



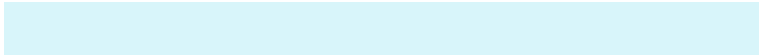
0.0000, 0.0000, 0.0000



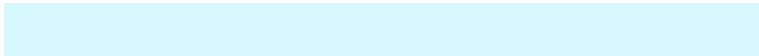
20.3446, 21.4041, 23.3091

Same Dimension

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



78.2291, 86.8095, 103.0766



79.7170, 89.3003, 107.6429



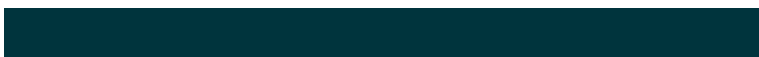
73.4476, 77.2465, 101.4828



17.5357, 19.1482, 22.1570



21.8924, 29.1403, 52.4443



2.0849, 2.8135, 4.8764

Inverse Universe

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



80.4636, 76.0300, 96.8248



82.4368, 76.2943, 100.0074



82.2592, 86.1610, 77.2624



17.8769, 17.4781, 21.2077



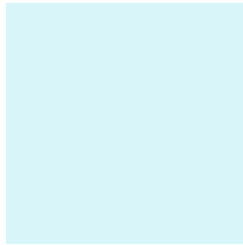
27.3423, 13.3526, 34.8405



2.5613, 1.2483, 3.3792

Previews

White Background



This preview shows how the XYZ color 78.2266, 86.8059, 103.0747 looks on a white background.

Color Contrast Check

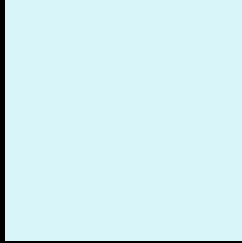
Large Text (above 18pt) WCAG AA × Fail

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 78.2266, 86.8059, 103.0747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

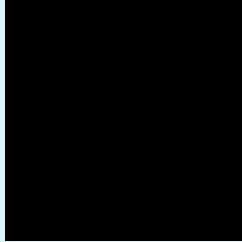
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.2266, 86.8059, 103.0747

Background



This preview shows how black text looks on a background with the XYZ color 78.2266, 86.8059, 103.0747.

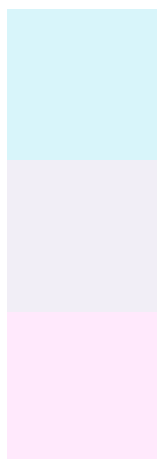


This preview shows how white text looks on a background with the XYZ color 78.2266, 86.8059,

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

78.2266, 86.8059, 103.0747

Protanopia

83.4847, 86.5037, 99.4855

Deuteranopia

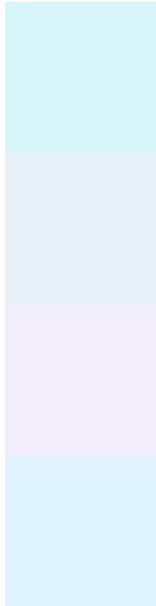
87.9496, 86.5661, 104.1689



Tritanopia

81.1662, 86.8930, 107.1019

Trichromacy



Original Color

78.2266, 86.8059, 103.0747

Protanomaly

81.5225, 86.7818, 100.4496

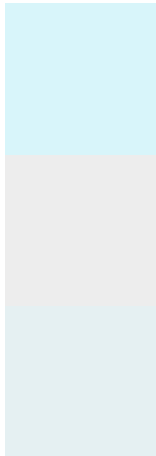
Deuteranomaly

83.9724, 86.2342, 103.4858

Tritanomaly

79.9044, 86.7226, 105.4562

Monochromacy



Original Color

78.2266, 86.8059, 103.0747

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.5002, 85.3890, 96.2960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.2266, 86.8059, 103.0747 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(216, 245, 250)` looks like.

```
.text, #text, p{  
    color:rgb(216, 245, 250)  
}
```

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(216, 245, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 245, 250) }
```

Border

The CSS property to change the border of an element to XYZ 78.2266, 86.8059, 103.0747 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(216, 245, 250) }
```


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

```
.border{ border-color:rgb(216, 245, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 245, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 245, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 245, 250);  
box-shadow:4px 4px 4px 4px rgb(216, 245,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 78.2266, 86.8059, 103.0747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 245, 250) }
```

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

```
.background{ background-color: rgb(216,  
245, 250) }
```

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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