

Converting Colors

XYZ(80.0506, 86.6693,
105.8510)

Have a look what the booklet for
XYZ(80.0506, 86.6693, 105.8510)
contains.

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Color

**XYZ(79.9044, 86.7226,
105.4562)**

Conversions

Conversions Part 1

Format	Color
Hex	DEF3FD
RGB	222, 243, 253
RGB Percent	87%, 95%, 99%
CMY	0.1294, 0.0470, 0.0078
CMYK	0.12, 0.04, 0.00, 0.01
HSL	199°, 89%, 93%
HSV	199°, 12%, 99%
XYZ	79.9044, 86.7226, 105.4562
YIQ	237.8610, -15.7260, -1.3420

Conversions

Conversions Part 2

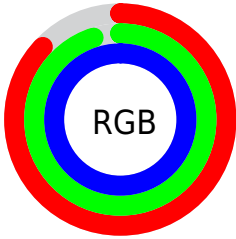
Format	Color
R _Y B	222, 235, 253
Decimal	14611453
CIE Lab	94.62, -4.92, -7.15
CIE LCh	95, 8.680, 235.512
Yxy	86.7226, 0.2937, 0.3187
Android (android.graphics.Color)	4292801533 (0xFFDEF3FD)
YUV	237.8610, 7.4635, -13.9101
Hunter-Lab	93.1250, -9.8096, -1.9535

Details

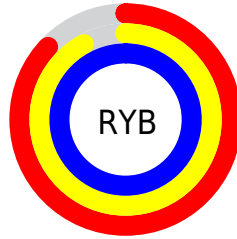
The XYZ color **79.9044, 86.7226, 105.4562** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.5499, 83.8695, 80.9464**, and the grayscale version is **81.1154, 85.3397, 92.9350**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.6705, 47.7417, 59.1379** is the 20% darker color. If you saturate the color by 10%, you get **70.3424, 78.2510, 104.3264**, and if you desaturate by 10%, it is **90.7428, 96.0179, 106.6805**.

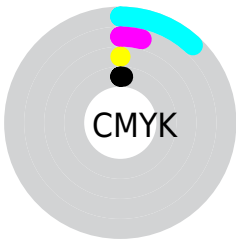
Distribution



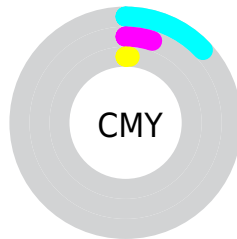
- Red (87%)
- Green (95%)
- Blue (99%)



- Red (87%)
- Yellow (92%)
- Blue (99%)



- Cyan (12%)
- Magenta (4%)
- Yellow (0%)
- Black (1%)



- Cyan (13%)
- Magenta (5%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.9044, 86.7226, 105.4562 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 79.9044, 86.7226, 105.4562 by changing the saturation by 10% instead.

79.9044, 86.7226,
105.4562

79.9044, 86.7226,
105.4562

483.3520,
517.3109, 598.9431

59.9479, 65.2657,
80.2228

132.1825,
142.7774, 170.7523

43.6259, 47.6765,
59.3745

165.2349,
178.1441, 211.6521

30.5732, 33.5708,
42.4927

203.3832,
218.9162, 258.6111

20.4243, 22.5641,
29.1588

246.9929,
265.4780, 312.0478

12.8139, 14.2720,
18.9544

296.4292,
318.2140, 372.3808

7.3766, 8.3101,
11.4608

352.0576,

3.7472, 4.2940,

377.5085, 440.0287

6.2596

414.2435,
443.7461, 515.4100

■ 1.5601, 1.8393,
2.9323

■ 0.3662, 0.5115,
1.0602

■ 79.9044, 86.7226,
105.4562

■ 79.9044, 86.7226,
105.4562

■ 70.3424, 78.2510,
104.3264

■ 90.7428, 96.0179,
106.6805

■ 61.9960, 70.5628,
103.2823

94.7299, 99.8720,
107.2143

■ 54.8110, 63.6302,
102.3229

■ 48.7256, 57.4192,
101.4447

■ 43.6719, 51.8926,
100.6444

■ 39.5740, 47.0091,
99.9177

■ 36.3446, 42.7213,
99.2603

■ 33.8784, 38.9727,
98.6667

■ 32.3715, 36.3752,
98.2448

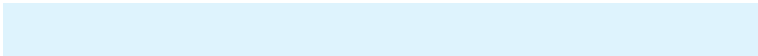
Harmonies

Analogous

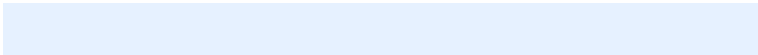
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.4309, 86.7226, 100.0884



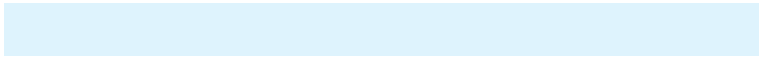
79.9044, 86.7226, 105.4562



82.0754, 86.7226, 107.8710

Triad

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



79.9044, 86.7226, 105.4562



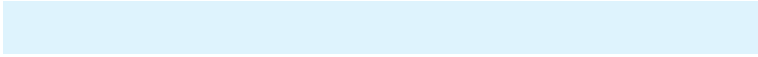
86.9970, 86.7226, 95.4387



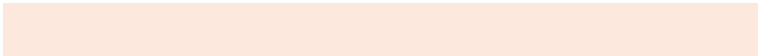
80.5036, 86.7226, 83.2622

Complementary

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



79.9044, 86.7226, 105.4562



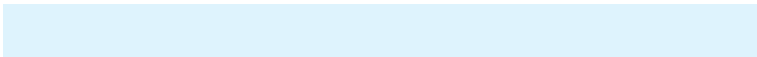
82.5499, 83.8695, 80.9464

Split Complementary

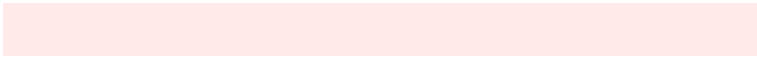
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.7800, 86.7226, 82.1477



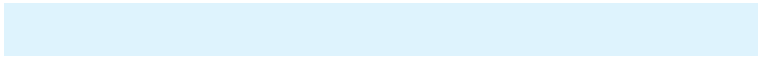
79.9044, 86.7226, 105.4562



86.5571, 86.7226, 88.9816

Square

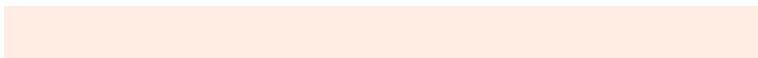
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



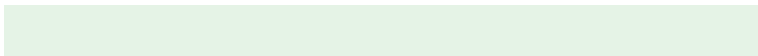
79.9044, 86.7226, 105.4562



86.1936, 86.7226, 101.9161



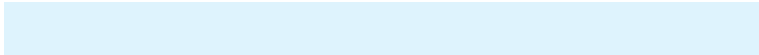
85.0026, 86.7226, 84.1934



78.7722, 86.7226, 87.3125

Rectangle

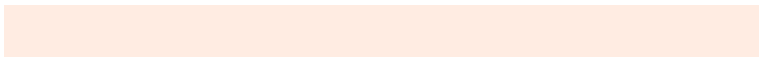
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.9044, 86.7226, 105.4562



83.6370, 86.7226, 107.4017



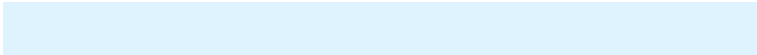
85.0026, 86.7226, 84.1934



81.2292, 86.7226, 82.5402

Sweetspot

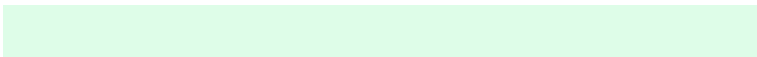
The Sweet Spot groups the original color and five complimentary colors.



79.9069, 86.7262, 105.4581



90.3561, 96.0358, 108.3822



79.7904, 91.5974, 89.6837



19.1561, 20.3993, 23.1778



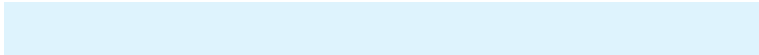
0.0000, 0.0000, 0.0000



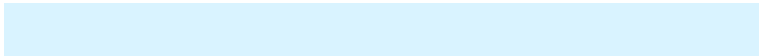
20.3446, 21.4041, 23.3091

Same Dimension

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



79.9069, 86.7262, 105.4581



78.5416, 85.8346, 107.0359



75.5117, 77.9358, 103.9931



18.0321, 19.4358, 23.0510



17.3581, 19.6257, 52.3079



1.7892, 2.1091, 5.1261

Inverse Universe

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



82.8089, 79.5981, 95.7976



82.1156, 77.2078, 95.1040



87.0519, 92.8734, 82.4471



18.5288, 18.1949, 21.4020



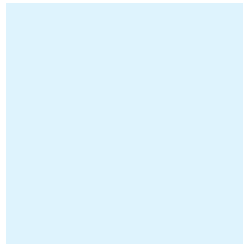
25.5497, 12.7092, 22.0772



2.5377, 1.2575, 2.4130

Previews

White Background



This preview shows how the XYZ color 79.9044, 86.7226, 105.4562 looks on a white background.

Color Contrast Check

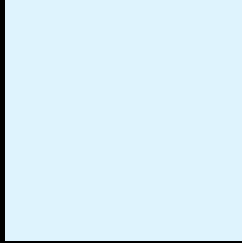
Large Text (above 18pt) WCAG AA × Fail

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 79.9044, 86.7226, 105.4562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

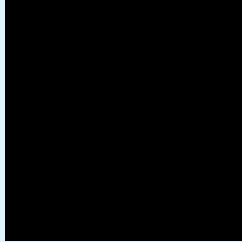
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

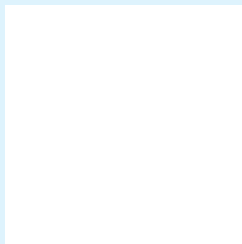
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 79.9044, 86.7226, 105.4562

Background



This preview shows how black text looks on a background with the XYZ color 79.9044, 86.7226, 105.4562.



This preview shows how white text looks on a background with the XYZ color 79.9044, 86.7226,

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

79.9044, 86.7226, 105.4562

Protanopia

83.7650, 86.5765, 102.7385

Deuteranopia

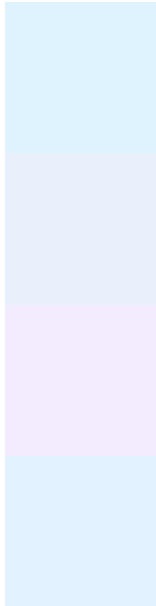
88.1466, 86.1932, 106.5989



Tritanopia

81.5002, 86.6246, 107.0324

Trichromacy



Original Color

79.9044, 86.7226, 105.4562

Protanomaly

82.1769, 86.6088, 103.6528

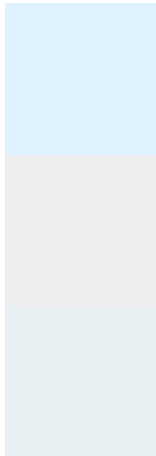
Deuteranomaly

84.8470, 86.2013, 105.9325

Tritanomaly

81.0056, 86.8288, 106.2561

Monochromacy



Original Color

79.9044, 86.7226, 105.4562

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.6165, 85.9470, 97.1345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.9044, 86.7226, 105.4562 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(222, 243, 253)` looks like.

```
.text, #text, p{  
    color:rgb(222, 243, 253)  
}
```

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(222, 243, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 243, 253) }
```

Border

The CSS property to change the border of an element to XYZ 79.9044, 86.7226, 105.4562 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(222, 243, 253) }
```


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

```
.border{ border-color:rgb(222, 243, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 243, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 243, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 243, 253);  
box-shadow:4px 4px 4px 4px rgb(222, 243,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 79.9044, 86.7226, 105.4562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 243, 253) }
```

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

```
.background{ background-color: rgb(222,  
243, 253) }
```

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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