

Converting Colors

XYZ(78.1349, 83.8826,
106.6806)

Have a look what the booklet for
XYZ(78.1349, 83.8826, 106.6806)
contains.

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Color

**XYZ(78.1299, 84.0131,
106.7060)**

Conversions

Conversions Part 1

Format	Color
Hex	DBEFFF
RGB	219, 239, 255
RGB Percent	86%, 94%, 100%
CMY	0.1412, 0.0627, 0.0000
CMYK	0.14, 0.06, 0.00, 0.00
HSL	207°, 100%, 93%
HSV	207°, 14%, 100%
XYZ	78.1299, 84.0131, 106.7060
YIQ	234.8440, -17.0560, 0.7360

Conversions

Conversions Part 2

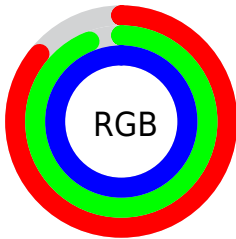
Format	Color
R _Y B	219, 232, 255
Decimal	14413823
CIE _{Lab}	93.46, -3.42, -9.94
CIE _{LCh}	93, 10.511, 251.034
Yxy	84.0131, 0.2906, 0.3125
Android (android.graphics.Color)	4292603903 (0xFFDBEFFF)
YUV	234.8440, 9.9369, -13.8952
Hunter-Lab	91.6587, -8.2491, -4.8624

Details

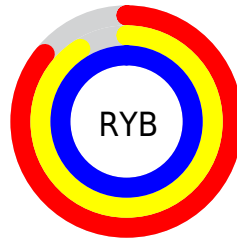
The XYZ color **78.1299, 84.0131, 106.7060** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.7339, 85.7895, 79.1652**, and the grayscale version is **78.7850, 82.8880, 90.2650**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4364, 45.8367, 60.0368** is the 20% darker color. If you saturate the color by 10%, you get **67.8246, 73.9317, 105.3032**, and if you desaturate by 10%, it is **89.8227, 95.1230, 108.2342**.

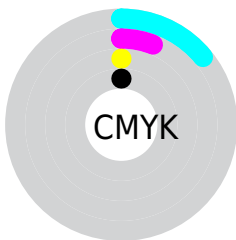
Distribution



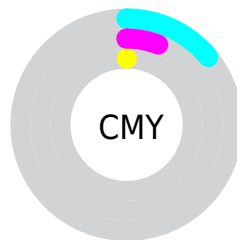
- Red (86%)
- Green (94%)
- Blue (100%)



- Red (86%)
- Yellow (91%)
- Blue (100%)



- Cyan (14%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.1299, 84.0131, 106.7060 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 78.1299, 84.0131, 106.7060 by changing the saturation by 10% instead.

78.1299, 84.0131,
106.7060

78.1299, 84.0131,
106.7060

477.4409,
508.3567, 602.9147

58.4838, 63.0263,
81.2647

129.6976,
138.9935, 172.4746

42.4425, 45.8624,
60.2274

162.3500,
173.7558, 213.6390

29.6406, 32.1373,
43.1754

200.0685,
213.8788, 260.8815

19.7127, 21.4664,
29.6904

243.2186,
259.7468, 314.6207

12.2934, 13.4653,
19.3536

292.1655,
311.7442, 375.2751

7.0174, 7.7498,
11.7467

347.2746,

3.5194, 3.9352,

370.2554, 443.2632

6.4510

408.9113,
435.6648, 519.0035

■ 1.4340, 1.6374,
3.0480

■ 0.2803, 0.3826,
1.1192

■ 78.1299, 84.0131,
106.7060

■ 78.1299, 84.0131,
106.7060

■ 67.8246, 73.9317,
105.3032

■ 89.8227, 95.1230,
108.2342

■ 58.8432, 64.8336,
104.0205

95.0500, 100.0000,
108.9000

■ 51.1264, 56.6848,
102.8543

■ 44.6079, 49.4451,
101.8005

■ 39.2145, 43.0707,
100.8544

■ 34.8642, 37.5130,
100.0109

■ 31.4624, 32.7165,
99.2644

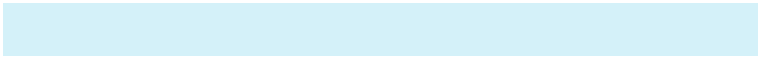
■ 28.8939, 28.6153,
98.6082

■ 27.6779, 26.4759,
98.2593

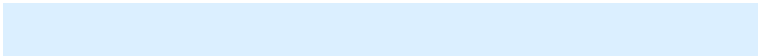
Harmonies

Analogous

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



75.8934, 84.0131, 101.8822



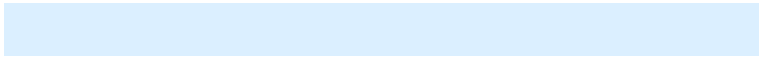
78.1299, 84.0131, 106.7060



80.8778, 84.0131, 107.3135

Triad

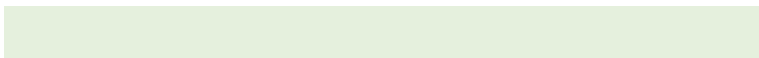
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.1299, 84.0131, 106.7060



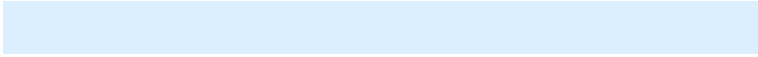
85.2057, 84.0131, 88.5816



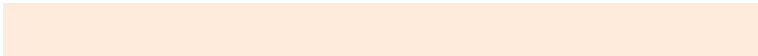
76.3991, 84.0131, 80.4239

Complementary

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



78.1299, 84.0131, 106.7060



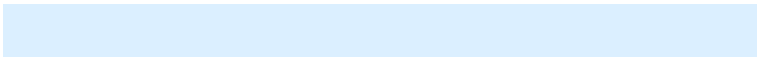
83.7339, 85.7895, 79.1652

Split Complementary

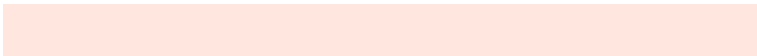
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.8348, 84.0131, 77.2788



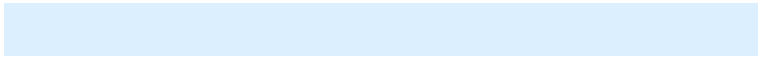
78.1299, 84.0131, 106.7060



83.9458, 84.0131, 81.8037

Square

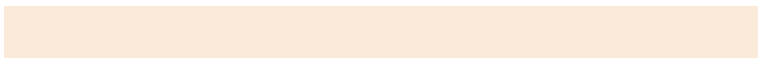
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



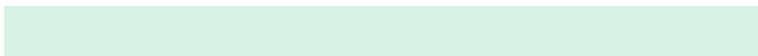
78.1299, 84.0131, 106.7060



85.0064, 84.0131, 96.5341



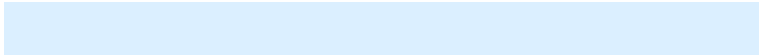
81.5991, 84.0131, 77.7688



74.9102, 84.0131, 86.5977

Rectangle

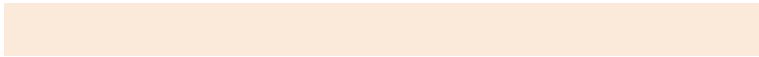
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.1299, 84.0131, 106.7060



82.6352, 84.0131, 105.2081



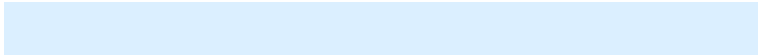
81.5991, 84.0131, 77.7688



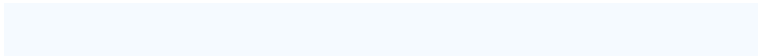
77.1319, 84.0131, 78.9940

Sweetspot

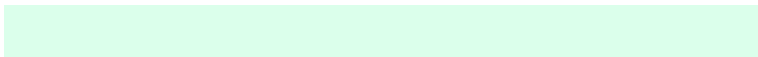
The Sweet Spot groups the original color and five complimentary colors.



78.1321, 84.0165, 106.7065



89.9676, 95.2589, 108.2527



79.9119, 92.5555, 91.9488



19.0577, 20.2025, 23.1450



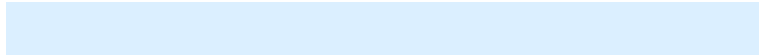
0.0000, 0.0000, 0.0000



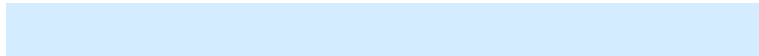
20.3446, 21.4041, 23.3091

Same Dimension

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



78.1321, 84.0165, 106.7065



75.0208, 81.0055, 106.2893



73.2268, 74.2059, 105.0714



17.8401, 19.0518, 22.9870



14.6137, 14.1369, 51.3931



1.5319, 1.5945, 5.0403

Inverse Universe

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



82.1529, 78.1565, 92.4212



79.7984, 74.2131, 89.2765



89.0257, 96.3729, 80.9291



18.4319, 18.1561, 20.8918



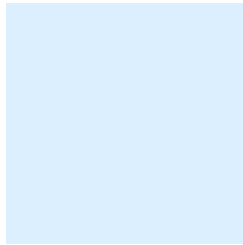
24.1645, 12.1551, 14.7827



2.4078, 1.2055, 1.7291

Previews

White Background



This preview shows how the XYZ color 78.1299, 84.0131, 106.7060 looks on a white background.

Color Contrast Check

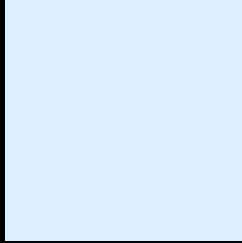
Large Text (above 18pt) WCAG AA × Fail

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 78.1299, 84.0131, 106.7060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

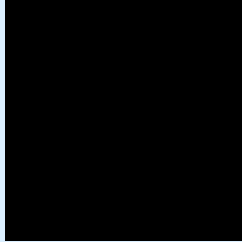
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

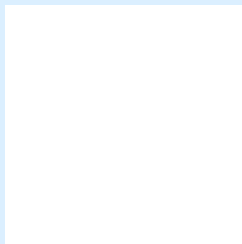
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.1299, 84.0131, 106.7060

Background



This preview shows how black text looks on a background with the XYZ color 78.1299, 84.0131, 106.7060.



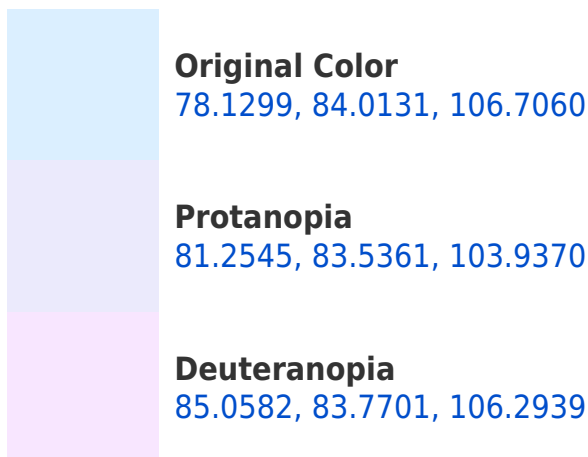
This preview shows how white text looks on a background with the XYZ color 78.1299, 84.0131,

106.7060.

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

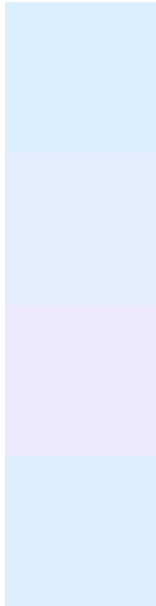




Tritanopia

78.7487, 83.8987, 106.6513

Trichromacy



Original Color

78.1299, 84.0131, 106.7060

Protanomaly

80.0382, 83.7408, 104.8736

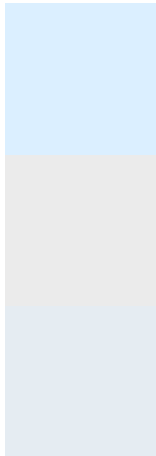
Deuteranomaly

82.1140, 83.5024, 106.3974

Tritanomaly

78.4433, 83.7412, 106.6370

Monochromacy



Original Color

78.1299, 84.0131, 106.7060

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.3356, 83.0597, 95.9078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.1299, 84.0131, 106.7060 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(219, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 239, 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(219, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 239, 255) }
```

Border

The CSS property to change the border of an element to XYZ 78.1299, 84.0131, 106.7060 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(219, 239, 255) }
```


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

```
.border{ border-color:rgb(219, 239, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 239,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 78.1299, 84.0131, 106.7060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 239, 255) }
```

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

```
.background{ background-color: rgb(219,  
239, 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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