

Converting Colors

XYZ(80.2927, 84.6915,
106.7158)

Have a look what the booklet for
XYZ(80.2927, 84.6915, 106.7158)
contains.

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Color

**XYZ(80.3031, 84.7000,
106.7240)**

Conversions

Conversions Part 1

Format	Color
Hex	E3EEFF
RGB	227, 238, 255
RGB Percent	89%, 93%, 100%
CMY	0.1098, 0.0666, 0.0000
CMYK	0.11, 0.07, 0.00, 0.00
HSL	216°, 100%, 95%
HSV	216°, 11%, 100%
XYZ	80.3031, 84.7000, 106.7240
YIQ	236.6490, -12.0130, 2.9550

Conversions

Conversions Part 2

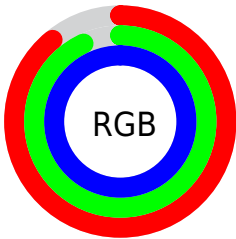
Format	Color
R _Y B	227, 235, 255
Decimal	14937855
CIE Lab	93.75, -0.40, -9.44
CIE LCh	94, 9.447, 267.601
Yxy	84.7000, 0.2955, 0.3117
Android (android.graphics.Color)	4293127935 (0xFFE3EEFF)
YUV	236.6490, 9.0470, -8.4622
Hunter-Lab	92.0326, -5.3068, -4.3318

Details

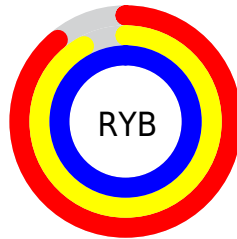
The XYZ color **80.3031, 84.7000, 106.7240** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.4552, 91.5056, 85.7276**, and the grayscale version is **80.1677, 84.3427, 91.8492**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9342, 46.3038, 60.0480** is the 20% darker color. If you saturate the color by 10%, you get **68.5341, 72.2301, 104.9374**, and if you desaturate by 10%, it is **93.6552, 98.5658, 108.6967**.

Distribution



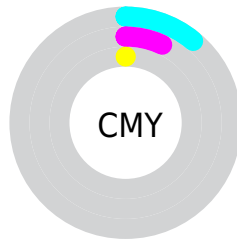
- Red (89%)
- Green (93%)
- Blue (100%)



- Red (89%)
- Yellow (92%)
- Blue (100%)



- Cyan (11%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.3031, 84.7000, 106.7240 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 80.3031, 84.7000, 106.7240 by changing the saturation by 10% instead.

80.3031, 84.7000,
106.7240

80.3031, 84.7000,
106.7240

484.6747,
510.6349, 602.9718

60.2771, 63.5935,
81.2797

132.7401,
139.9540, 172.4994

43.8924, 46.3215,
60.2396

165.8818,
174.8702, 213.6676

30.7834, 32.4996,
43.1853

204.1261,
215.1586, 260.9142

20.5850, 21.7434,
29.6980

247.8385,
261.2033, 314.6577

12.9317, 13.6685,
19.3594

297.3841,
313.3890, 375.3167

7.4582, 7.8905,
11.7508

353.1285,

3.7992, 4.0249,

372.0998, 443.3097

6.4538

415.4369,
437.7203, 519.0552

■ 1.5891, 1.6875,
3.0497

■ 0.3853, 0.4156,
1.1201

■ 80.3031, 84.7000,
106.7240

■ 80.3031, 84.7000,
106.7240

■ 68.5341, 72.2301,
104.9374

■ 93.6552, 98.5658,
108.6967

■ 58.2796, 61.0995,
103.3295

■ 95.0500, 100.0000,
108.9000

■ 49.4756, 51.2625,
101.8947

■ 42.0510, 42.6667,
100.6269

■ 35.9280, 35.2557,
99.5192

■ 31.0202, 28.9679,
98.5642

■ 27.2297, 23.7346,
97.7538

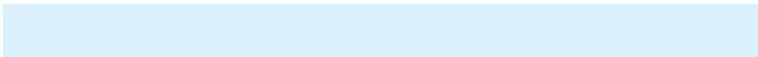
■ 24.4408, 19.4769,
97.0790

■ 22.6278, 16.3757,
96.5759

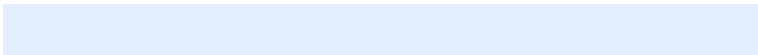
Harmonies

Analogous

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



77.9482, 84.7000, 104.3847



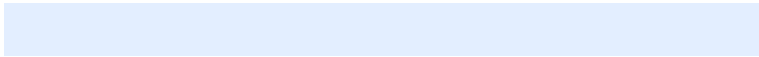
80.3031, 84.7000, 106.7240



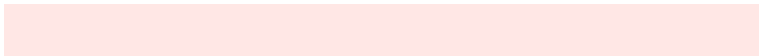
82.7600, 84.7000, 105.0139

Triad

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



80.3031, 84.7000, 106.7240



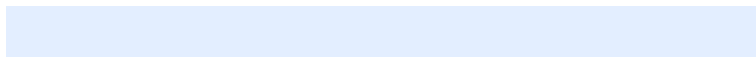
84.8549, 84.7000, 85.9713



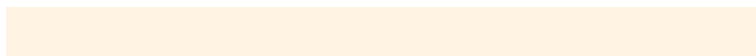
76.5009, 84.7000, 85.0193

Complementary

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



80.3031, 84.7000, 106.7240



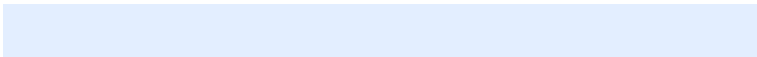
87.4552, 91.5056, 85.7276

Split Complementary

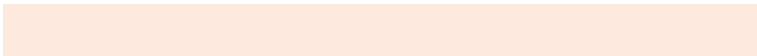
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.2909, 84.7000, 80.5170



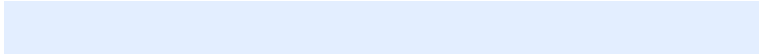
80.3031, 84.7000, 106.7240



83.1167, 84.7000, 81.0463

Square

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



80.3031, 84.7000, 106.7240



85.4203, 84.7000, 92.8033



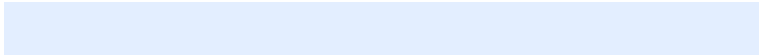
80.7069, 84.7000, 79.1005



75.7816, 84.7000, 91.6469

Rectangle

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



80.3031, 84.7000, 106.7240



84.1191, 84.7000, 101.8545



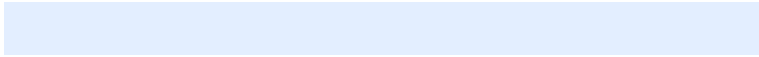
80.7069, 84.7000, 79.1005



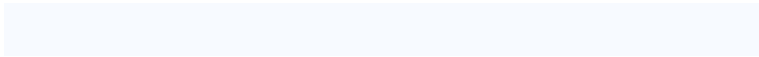
76.9955, 84.7000, 83.2203

Sweetspot

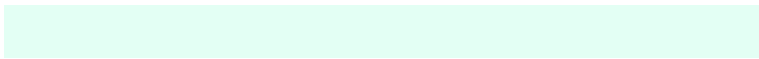
The Sweet Spot groups the original color and five complimentary colors.



80.3053, 84.7034, 106.7246



90.8278, 95.6508, 108.2831



83.7382, 94.3708, 99.2314



19.2047, 20.2291, 23.1424



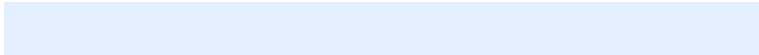
0.0000, 0.0000, 0.0000



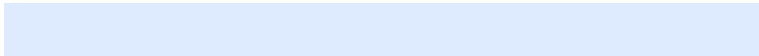
20.3446, 21.4041, 23.3091

Same Dimension

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



80.3053, 84.7034, 106.7246



77.8017, 82.0727, 106.3488



78.0893, 78.9496, 105.7308



17.5886, 18.5488, 22.9032



11.9586, 8.8267, 50.5080



1.2671, 1.0649, 4.9520

Inverse Universe

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



84.1431, 82.3727, 92.3578



82.2992, 79.4140, 89.4957



89.8429, 97.7990, 86.8165



18.3050, 18.1053, 20.2232



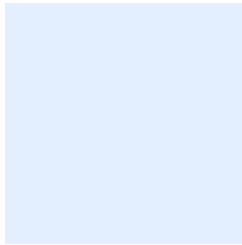
22.8243, 11.6190, 7.7253



2.2742, 1.1520, 1.0253

Previews

White Background



This preview shows how the XYZ color 80.3031, 84.7000, 106.7240 looks on a white background.

Color Contrast Check

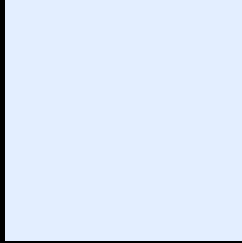
Large Text (above 18pt) WCAG AA × Fail

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 80.3031, 84.7000, 106.7240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

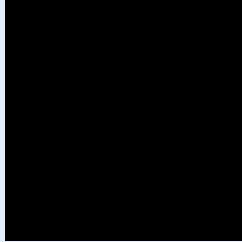
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

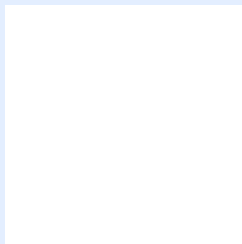
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.3031, 84.7000, 106.7240

Background



This preview shows how black text looks on a background with the XYZ color 80.3031, 84.7000, 106.7240.



This preview shows how white text looks on a background with the XYZ color 80.3031, 84.7000,

106.7240.

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

80.3031, 84.7000, 106.7240

Protanopia

82.0300, 84.3414, 104.8846

Deuteranopia

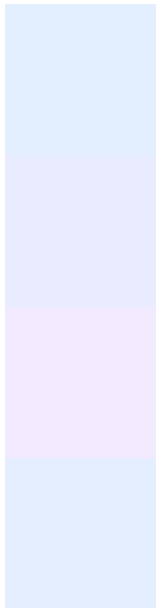
86.0503, 84.6958, 106.4203



Tritanopia

80.6194, 84.8631, 106.7388

Trichromacy



Original Color

80.3031, 84.7000, 106.7240

Protanomaly

81.4891, 84.4703, 105.7754

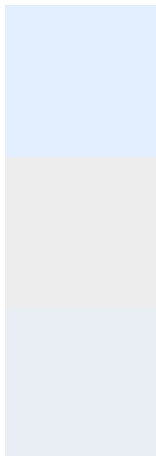
Deuteranomaly

84.0908, 84.9429, 106.5713

Tritanomaly

80.6194, 84.8631, 106.7388

Monochromacy



Original Color

80.3031, 84.7000, 106.7240

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.2176, 84.4237, 97.6554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.3031, 84.7000, 106.7240 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(227, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 238, 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(227, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 238, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.3031, 84.7000, 106.7240 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(227, 238, 255) }
```


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

```
.border{ border-color:rgb(227, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 238,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.3031, 84.7000, 106.7240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 238, 255) }
```

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

```
.background{ background-color: rgb(227,  
238, 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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