

Converting Colors

XYZ(117.2973, 98.7086,
291.5995)

Have a look what the booklet for
XYZ(117.2973, 98.7086, 291.5995)
contains.

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Color

**XYZ(82.3064, 84.8731,
106.6519)**

Conversions

Conversions Part 1

Format	Color
Hex	EBECFF
RGB	235, 236, 255
RGB Percent	92%, 93%, 100%
CMY	0.0784, 0.0745, 0.0000
CMYK	0.08, 0.07, 0.00, 0.00
HSL	237°, 100%, 96%
HSV	237°, 8%, 100%
XYZ	82.3064, 84.8731, 106.6519
YIQ	237.8670, -6.6950, 5.6970

Conversions

Conversions Part 2

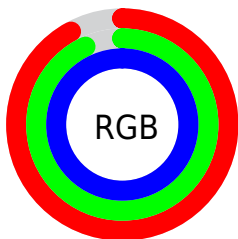
Format	Color
R _{YB}	235, 236, 255
Decimal	15461631
CIE Lab	93.83, 3.18, -9.27
CIE LCh	94, 9.796, 288.948
Yxy	84.8731, 0.3006, 0.3099
Android (android.graphics.Color)	4293651711 (0xFFEBECFF)
YUV	237.8670, 8.4466, -2.5144
Hunter-Lab	92.1266, -1.7487, -4.1494

Details

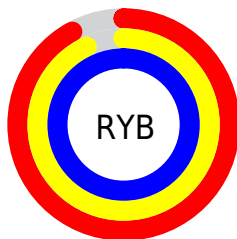
The XYZ color **82.3064, 84.8731, 106.6519** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91.6764, 98.1396, 92.7097**, and the grayscale version is **81.1076, 85.3315, 92.9260**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.1047, 46.3034, 59.9863** is the 20% darker color. If you saturate the color by 10%, you get **67.9766, 67.8283, 104.1172**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

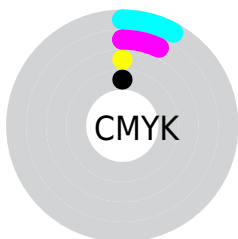
Distribution



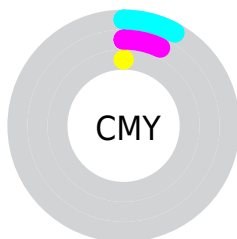
- Red (92%)
- Green (93%)
- Blue (100%)



- Red (92%)
- Yellow (93%)
- Blue (100%)



- Cyan (8%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.3064, 84.8731, 106.6519 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 82.3064, 84.8731, 106.6519 by changing the saturation by 10% instead.

82.3064, 84.8731,
106.6519

82.3064, 84.8731,
106.6519

491.2910,
511.2081, 602.7431

61.9331, 63.7365,
81.2196

135.5372,
140.1959, 172.4001

45.2340, 46.4373,
60.1904

169.1254,
175.1508, 213.5531

31.8439, 32.5911,
43.1458

207.8492,
215.4808, 260.7833

21.3972, 21.8134,
29.6673

252.0741,
261.5700, 314.5095

13.5288, 13.7198,
19.3363

302.1654,
313.8030, 375.1499

7.8732, 7.9261,
11.7343

358.4884,

4.0650, 4.0477,

372.5640, 443.1234

6.4427

421.4084,
438.2376, 518.8482

■ 1.7390, 1.7003,
3.0430

■ 0.4805, 0.4238,
1.1166

■ 82.3064, 84.8731,
106.6519

■ 82.3064, 84.8731,
106.6519

■ 67.9766, 67.8283,
104.1172

95.0500, 100.0000,
108.9000

■ 55.7080, 53.1914,
101.9386

■ 45.4079, 40.8570,
100.1007

■ 36.9738, 30.7079,
98.5862

■ 30.2937, 22.6166,
97.3765

■ 25.2439, 16.4421,
96.4509

■ 21.6845, 12.0261,
95.7861

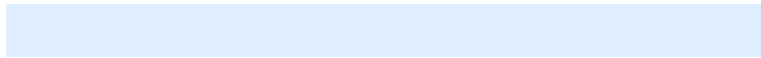
■ 19.4517, 9.1845,
95.3553

■ 18.3355, 7.6888,
95.1254

Harmonies

Analogous

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



79.7131, 84.8731, 107.2153



82.3064, 84.8731, 106.6519



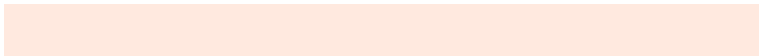
84.5051, 84.8731, 102.1551

Triad

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



82.3064, 84.8731, 106.6519



84.0031, 84.8731, 82.0132



75.8535, 84.8731, 89.6902

Complementary

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



82.3064, 84.8731, 106.6519



91.6764, 98.1396, 92.7097

Split Complementary

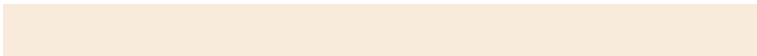
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.9515, 84.8731, 83.3097



82.3064, 84.8731, 106.6519



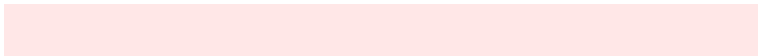
81.6331, 84.8731, 79.0388

Square

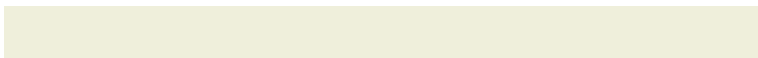
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



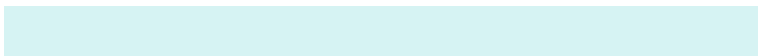
82.3064, 84.8731, 106.6519



85.4991, 84.8731, 87.8331



79.0541, 84.8731, 79.5003



76.0249, 84.8731, 97.1481

Rectangle

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



82.3064, 84.8731, 106.6519



85.4338, 84.8731, 97.6606



79.0541, 84.8731, 79.5003



76.0854, 84.8731, 87.3556

Sweetspot

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



82.3086, 84.8766, 106.6524



91.6726, 95.9937, 108.3047



87.8577, 96.3169, 107.4468



19.6571, 20.5886, 23.1879



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.



82.3086, 84.8766, 106.6524



80.5410, 82.7763, 106.3402



84.9519, 85.8115, 106.6936



17.0761, 17.5239, 22.7324



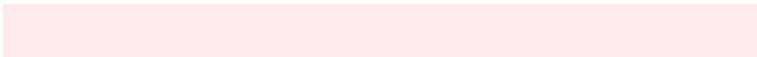
9.5357, 3.9810, 49.7004



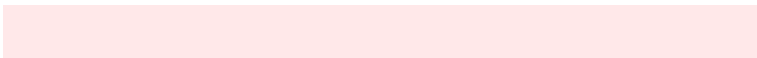
0.9530, 0.4368, 4.8473

Inverse Universe

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



86.0900, 86.7342, 91.5650



84.8475, 84.8961, 89.1566



88.8790, 97.1716, 92.6703



18.0463, 18.0018, 18.8611



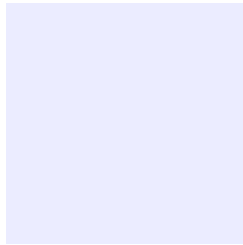
21.6014, 11.1298, 1.2854



2.1157, 1.0886, 0.1905

Previews

White Background



This preview shows how the XYZ color 82.3064, 84.8731, 106.6519 looks on a white background.

Color Contrast Check

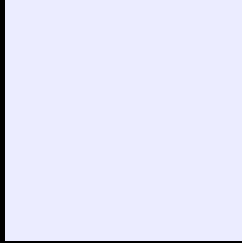
Large Text (above 18pt) WCAG AA × Fail

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 82.3064, 84.8731, 106.6519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

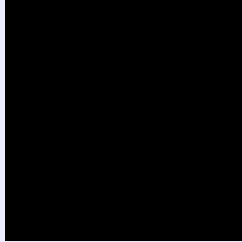
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.3064, 84.8731, 106.6519

Background



This preview shows how black text looks on a background with the XYZ color 82.3064, 84.8731, 106.6519.



This preview shows how white text looks on a background with the XYZ color 82.3064, 84.8731,

106.6519.

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

82.3064, 84.8731, 106.6519

Protanopia

82.6375, 85.0438, 106.6674

Deuteranopia

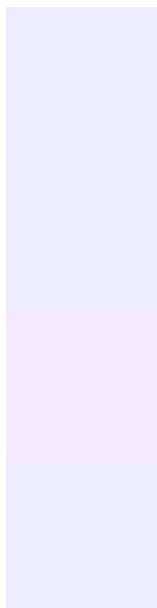
86.4096, 84.8811, 106.4371



Tritanopia

82.3064, 84.8731, 106.6519

Trichromacy



Original Color

82.3064, 84.8731, 106.6519

Protanomaly

82.6375, 85.0438, 106.6674

Deuteranomaly

84.8451, 84.9103, 106.5253

Tritanomaly

82.3064, 84.8731, 106.6519

Monochromacy



Original Color

82.3064, 84.8731, 106.6519

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.5384, 85.1046, 97.7172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.3064, 84.8731, 106.6519 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(235, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 236, 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(235, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 236, 255) }
```

Border

The CSS property to change the border of an element to XYZ 82.3064, 84.8731, 106.6519 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(235, 236, 255) }
```


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

```
.border{ border-color:rgb(235, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 236,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 82.3064, 84.8731, 106.6519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 236, 255) }
```

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

```
.background{ background-color: rgb(235,  
236, 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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