

Converting Colors

XYZ(80.5721, 84.2909,
106.6309)

Have a look what the booklet for
XYZ(80.5721, 84.2909, 106.6309)
contains.

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Color

**XYZ(80.6473, 84.4464,
106.6570)**

Conversions

Conversions Part 1

Format	Color
Hex	E5EDFF
RGB	229, 237, 255
RGB Percent	90%, 93%, 100%
CMY	0.1020, 0.0706, 0.0000
CMYK	0.10, 0.07, 0.00, 0.00
HSL	222°, 100%, 95%
HSV	222°, 10%, 100%
XYZ	80.6473, 84.4464, 106.6570
YIQ	236.6600, -10.5460, 3.9020

Conversions

Conversions Part 2

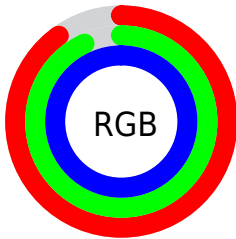
Format	Color
R_{YB}	229, 235, 255
Decimal	15068671
CIE Lab	93.64, 0.75, -9.59
CIE LCh	94, 9.616, 274.483
Yxy	84.4464, 0.2968, 0.3107
Android (android.graphics.Color)	4293258751 (0xFFE5EDFF)
YUV	236.6600, 9.0416, -6.7178
Hunter-Lab	91.8947, -4.1632, -4.4882

Details

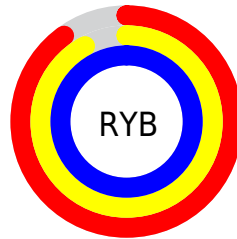
The XYZ color **80.6473, 84.4464, 106.6570** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.6430, 93.4368, 87.4935**, and the grayscale version is **80.1754, 84.3507, 91.8579**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9505, 46.0092, 59.9903** is the 20% darker color. If you saturate the color by 10%, you get **68.2399, 70.8357, 104.6838**, and if you desaturate by 10%, it is **94.7573, 99.6860, 108.8548**.

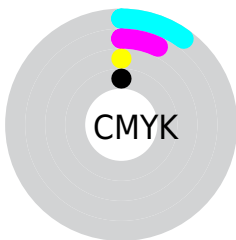
Distribution



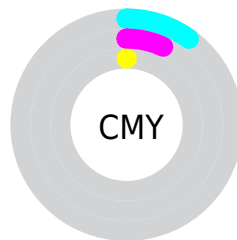
- Red (90%)
- Green (93%)
- Blue (100%)



- Red (90%)
- Yellow (92%)
- Blue (100%)



- Cyan (10%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.6473, 84.4464, 106.6570 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 80.6473, 84.4464, 106.6570 by changing the saturation by 10% instead.

80.6473, 84.4464,
106.6570

80.6473, 84.4464,
106.6570

485.8150,
509.7944, 602.7593

60.5615, 63.3841,
81.2238

133.2212,
139.5995, 172.4071

44.1225, 46.1520,
60.1939

166.4399,
174.4590, 213.5612

30.9652, 32.3658,
43.1486

204.7670,
214.6863, 260.7926

20.7240, 21.6410,
29.6695

248.5678,
260.6659, 314.5199

13.0337, 13.5934,
19.3379

298.2076,
312.7821, 375.1617

7.5289, 7.8384,
11.7354

354.0518,

3.8443, 3.9917,

371.4193, 443.1365

6.4434

416.4659,
436.9620, 518.8629

■ 1.6144, 1.6689,
3.0434

■ 0.4018, 0.4034,
1.1169

■ 80.6473, 84.4464,
106.6570

■ 80.6473, 84.4464,
106.6570

■ 68.2399, 70.8357,
104.6838

94.7573, 99.6860,
108.8548

■ 57.4620, 58.7881,
102.9264

95.0500, 100.0000,
108.9000

■ 48.2450, 48.2479,
101.3777

■ 40.5127, 39.1521,
100.0296

■ 34.1820, 31.4332,
98.8734

■ 29.1611, 25.0174,
97.8996

■ 25.3463, 19.8230,
97.0981

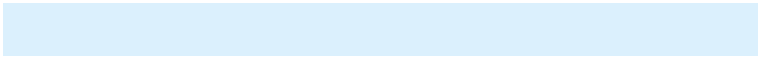
■ 22.6160, 15.7569,
96.4571

■ 20.8100, 12.7400,
95.9700

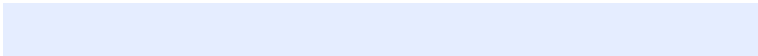
Harmonies

Analogous

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



78.1717, 84.4464, 105.2001



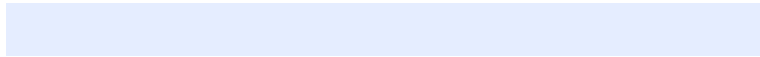
80.6473, 84.4464, 106.6570



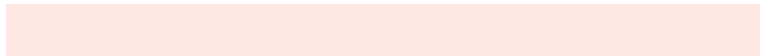
83.0696, 84.4464, 104.0050

Triad

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



80.6473, 84.4464, 106.6570



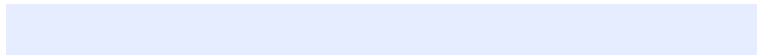
84.3702, 84.4464, 84.2306



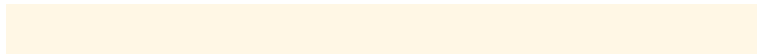
75.9232, 84.4464, 86.0350

Complementary

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



80.6473, 84.4464, 106.6570



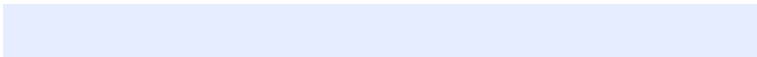
88.6430, 93.4368, 87.4935

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.



77.5219, 84.4464, 80.8604



80.6473, 84.4464, 106.6570



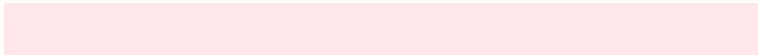
82.3928, 84.4464, 79.8579

Square

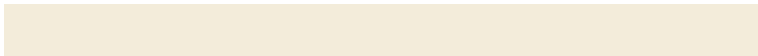
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.6473, 84.4464, 106.6570



85.2477, 84.4464, 90.8555



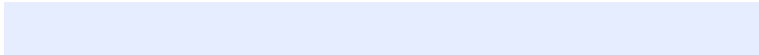
79.8815, 84.4464, 78.6572



75.4780, 84.4464, 93.0488

Rectangle

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



80.6473, 84.4464, 106.6570



84.3178, 84.4464, 100.3422



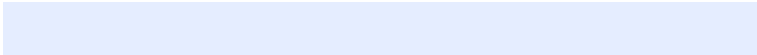
79.8815, 84.4464, 78.6572



76.3418, 84.4464, 84.0351

Sweetspot

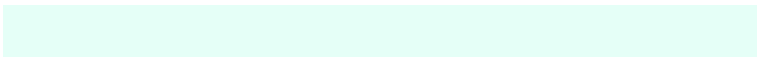
The Sweet Spot groups the original color and five complimentary colors.



80.6495, 84.4498, 106.6575



90.6253, 95.2459, 108.2156



84.8264, 94.8794, 101.6503



19.1501, 20.1200, 23.1242



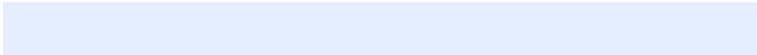
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



80.6495, 84.4498, 106.6575



78.2862, 81.8744, 106.2850



79.9256, 80.7131, 105.9744



17.4590, 18.2897, 22.8600



10.9890, 6.8876, 50.1848



1.1619, 0.8545, 4.9170

Inverse Universe

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



84.5468, 83.4146, 91.7694



82.8287, 80.7167, 88.9207



89.4113, 97.5445, 88.2458



18.2396, 18.0792, 19.8789



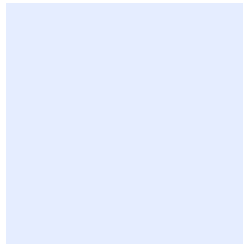
22.3350, 11.4233, 5.1484



2.2211, 1.1308, 0.7456

Previews

White Background



This preview shows how the XYZ color 80.6473, 84.4464, 106.6570 looks on a white background.

Color Contrast Check

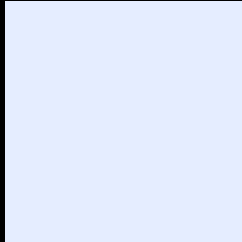
Large Text (above 18pt) WCAG AA × Fail

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 80.6473, 84.4464, 106.6570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

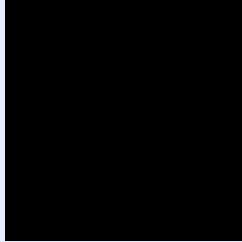
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.6473, 84.4464, 106.6570

Background



This preview shows how black text looks on a background with the XYZ color 80.6473, 84.4464, 106.6570.



This preview shows how white text looks on a background with the XYZ color 80.6473, 84.4464,

106.6570.

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

80.6473, 84.4464, 106.6570

Protanopia

82.1898, 84.4053, 105.7259

Deuteranopia

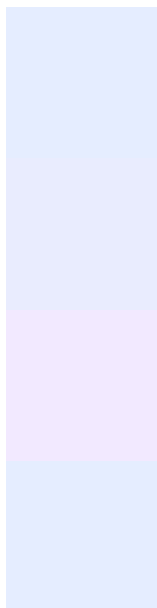
85.4137, 83.9534, 106.3106



Tritanopia

80.6473, 84.4464, 106.6570

Trichromacy



Original Color

80.6473, 84.4464, 106.6570

Protanomaly

81.4891, 84.4703, 105.7754

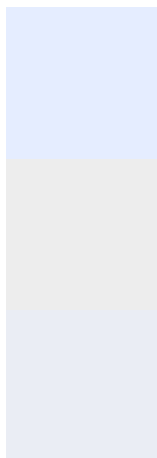
Deuteranomaly

83.8069, 84.3751, 106.4767

Tritanomaly

80.6473, 84.4464, 106.6570

Monochromacy



Original Color

80.6473, 84.4464, 106.6570

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.5450, 84.5925, 97.6708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.6473, 84.4464, 106.6570 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(229, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 237, 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(229, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 237, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.6473, 84.4464, 106.6570 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(229, 237, 255) }
```


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

```
.border{ border-color:rgb(229, 237, 255) }
```

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

Here you see how a box with a 4 pixel rgb(229, 237, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 237,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.6473, 84.4464, 106.6570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 237, 255) }
```

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

```
.background{ background-color: rgb(229,  
237, 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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