

Converting Colors

XYZ(81.9840, 83.8582,
106.4730)

Have a look what the booklet for
XYZ(81.9840, 83.8582, 106.4730)
contains.

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Color

**XYZ(82.0649, 83.8985,
106.4765)**

Conversions

Conversions Part 1

Format	Color
Hex	ECEAFF
RGB	236, 234, 255
RGB Percent	93%, 92%, 100%
CMY	0.0745, 0.0823, 0.0000
CMYK	0.07, 0.08, 0.00, 0.00
HSL	246°, 100%, 96%
HSV	246°, 8%, 100%
XYZ	82.0649, 83.8985, 106.4765
YIQ	236.9920, -5.5490, 6.9550

Conversions

Conversions Part 2

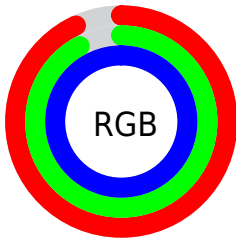
Format	Color
R _Y B	236, 234, 255
Decimal	15526655
CIE Lab	93.41, 4.53, -9.88
CIE LCh	93, 10.874, 294.639
Yxy	83.8985, 0.3012, 0.3080
Android (android.graphics.Color)	4293716735 (0xFFECEAFF)
YUV	236.9920, 8.8779, -0.8700
Hunter-Lab	91.5961, -0.3674, -4.8048

Details

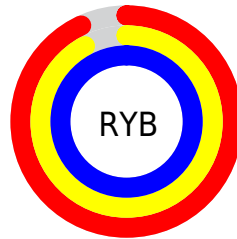
The XYZ color **82.0649, 83.8985, 106.4765** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91.1213, 98.3441, 92.0257**, and the grayscale version is **80.4290, 84.6176, 92.1485**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.9358, 45.6213, 59.8635** is the 20% darker color. If you saturate the color by 10%, you get **68.1488, 66.7139, 103.8930**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

Distribution



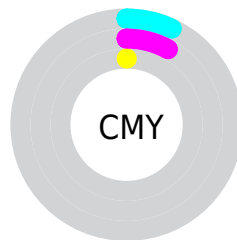
- Red (93%)
- Green (92%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.0649, 83.8985, 106.4765 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 82.0649, 83.8985, 106.4765 by changing the saturation by 10% instead.

82.0649, 83.8985,
106.4765

82.0649, 83.8985,
106.4765

490.4960,
507.9761, 602.1865

61.7333, 62.9316,
81.0733

135.2004,
138.8332, 172.1585

45.0720, 45.7859,
60.0706

168.7349,
173.5698, 213.2744

31.7157, 32.0769,
43.0499

207.4013,
213.6651, 260.4650

21.2989, 21.4203,
29.5926

251.5646,
259.5035, 314.1487

13.4564, 13.4315,
19.2801

301.5904,
311.4695, 374.7442

7.8227, 7.7264,
11.6940

357.8440,

4.0326, 3.9204,

369.9473, 442.6699

6.4157

420.6907,
435.3214, 518.3445

■ 1.7206, 1.6291,
3.0266

■ 0.4691, 0.3771,
1.1082

■ 82.0649, 83.8985,
106.4765

■ 82.0649, 83.8985,
106.4765

■ 68.1488, 66.7139,
103.8930

95.0500, 100.0000,
108.9000

■ 56.1829, 52.0173,
101.6869

■ 46.0820, 39.6966,
99.8412

■ 37.7517, 29.6265,
98.3365

■ 31.0893, 21.6706,
97.1520

■ 25.9817, 15.6775,
96.2644

■ 22.3013, 11.4755,
95.6473

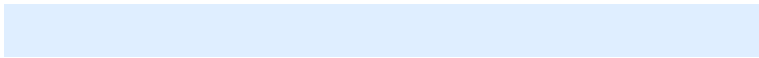
■ 19.9000, 8.8631,
95.2696

■ 18.5868, 7.5693,
95.0891

Harmonies

Analogous

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



79.2287, 83.8985, 108.0002



82.0649, 83.8985, 106.4765



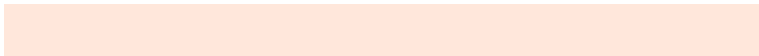
84.3267, 83.8985, 100.8024

Triad

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



82.0649, 83.8985, 106.4765



82.9782, 83.8985, 79.0637



74.3760, 83.8985, 89.8831

Complementary

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



82.0649, 83.8985, 106.4765



91.1213, 98.3441, 92.0257

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.



75.3285, 83.8985, 82.5100



82.0649, 83.8985, 106.4765



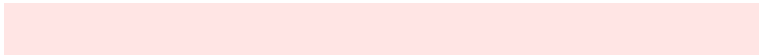
80.2595, 83.8985, 76.5077

Square

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



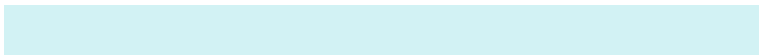
82.0649, 83.8985, 106.4765



84.8628, 83.8985, 84.9220



77.4653, 83.8985, 77.7307



74.8334, 83.8985, 98.0970

Rectangle

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



82.0649, 83.8985, 106.4765



85.1813, 83.8985, 95.6004



77.4653, 83.8985, 77.7307



74.5412, 83.8985, 87.2299

Sweetspot

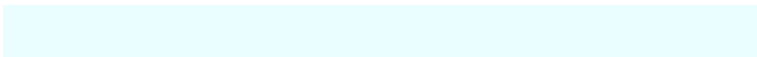
The Sweet Spot groups the original color and five complimentary colors.



82.0671, 83.9019, 106.4770



91.7670, 95.9243, 108.2863



87.1879, 95.1221, 108.3729



19.6763, 20.5744, 23.1842



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.



82.0671, 83.9019, 106.4770



79.4623, 80.6790, 105.9922



85.5690, 85.7072, 106.6409



17.1632, 17.4603, 22.7155



9.6845, 3.9030, 49.6775



0.9942, 0.4064, 4.8393

Inverse Universe

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



88.3945, 87.2008, 105.1039



87.0598, 84.6405, 104.3225



87.4891, 96.4716, 91.8557



18.7138, 18.2688, 22.3760



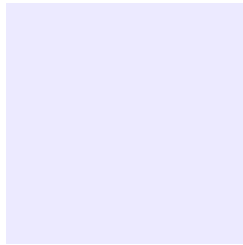
29.0976, 14.1283, 40.7599



2.8539, 1.3839, 4.0781

Previews

White Background



This preview shows how the XYZ color 82.0649, 83.8985, 106.4765 looks on a white background.

Color Contrast Check

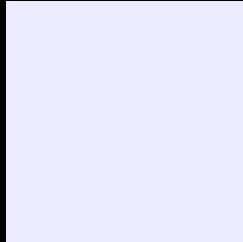
Large Text (above 18pt) WCAG AA × Fail

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 82.0649, 83.8985, 106.4765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

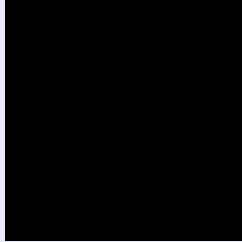
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.0649, 83.8985, 106.4765

Background



This preview shows how black text looks on a background with the XYZ color 82.0649, 83.8985, 106.4765.



This preview shows how white text looks on a background with the XYZ color 82.0649, 83.8985,

106.4765.

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

82.0649, 83.8985, 106.4765

Protanopia

81.7338, 83.7278, 106.4610

Deuteranopia

85.4137, 83.9534, 106.3106



Tritanopia

81.7445, 83.7704, 104.7894

Trichromacy



Original Color

82.0649, 83.8985, 106.4765

Protanomaly

81.7338, 83.7278, 106.4610

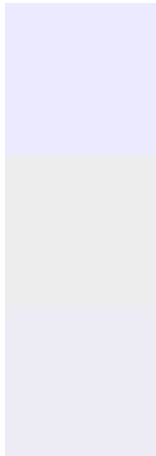
Deuteranomaly

83.9341, 83.6049, 106.3213

Tritanomaly

81.9043, 83.8343, 105.6307

Monochromacy



Original Color

82.0649, 83.8985, 106.4765

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

81.2496, 84.5271, 97.6210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.0649, 83.8985, 106.4765 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(236, 234, 255) looks like.

```
.text, #text, p{  
    color:rgb(236, 234, 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(236, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 234, 255) }
```

Border

The CSS property to change the border of an element to XYZ 82.0649, 83.8985, 106.4765 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(236, 234, 255) }
```


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

```
.border{ border-color:rgb(236, 234, 255) }
```

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

Here you see how a box with a 4 pixel rgb(236, 234, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 234,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 82.0649, 83.8985, 106.4765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 234, 255) }
```

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

```
.background{ background-color: rgb(236,  
234, 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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