

# Converting Colors

XYZ(82.2206, 85.1904,  
106.7176)

Have a look what the booklet for  
XYZ(82.2206, 85.1904, 106.7176)  
contains.

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# Color

**XYZ(82.2659, 85.2808,  
106.7327)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAEDFF
RGB	234, 237, 255
RGB Percent	92%, 93%, 100%
CMY	0.0823, 0.0706, 0.0000
CMYK	0.08, 0.07, 0.00, 0.00
HSL	231°, 100%, 96%
HSV	231°, 8%, 100%
XYZ	82.2659, 85.2808, 106.7327
YIQ	238.1550, -7.5660, 4.9620

# Conversions

## Conversions Part 2

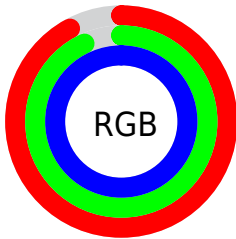
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	234, 237, 255
Decimal	15396351
CIE <sub>Lab</sub>	94.00, 2.35, -9.01
CIE <sub>LCh</sub>	94, 9.313, 284.590
Yxy	85.2808, 0.2999, 0.3109
Android (android.graphics.Color)	4293586431 (0xFFEAEDFF)
YUV	238.1550, 8.3046, -3.6439
Hunter-Lab	92.3476, -2.5954, -3.8824

# Details

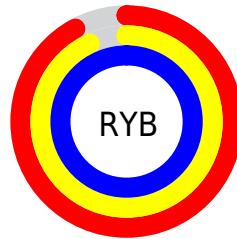
The XYZ color **82.2659, 85.2808, 106.7327** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.9010, 96.8194, 91.7406**, and the grayscale version is **81.3319, 85.5675, 93.1831**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.0770, 46.5899, 60.0430** is the 20% darker color. If you saturate the color by 10%, you get **68.5432, 69.3814, 104.3871**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

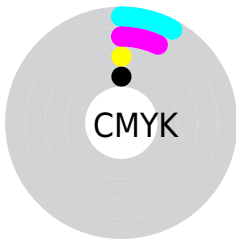
# Distribution



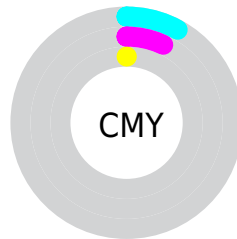
- Red (92%)
- Green (93%)
- Blue (100%)



- 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 82.2659, 85.2808, 106.7327 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 82.2659, 85.2808, 106.7327 by changing the saturation by 10% instead.



82.2659, 85.2808,  
106.7327

82.2659, 85.2808,  
106.7327

491.1577,  
512.5568, 602.9994

61.8996, 64.0734,  
81.2870

135.4807,  
140.7654, 172.5114

45.2069, 46.7101,  
60.2456

169.0599,  
175.8115, 213.6814

31.8224, 32.8066,  
43.1900

207.7741,  
216.2392, 260.9300

21.3807, 21.9783,  
29.7017

251.9887,  
262.4330, 314.6756

13.5166, 13.8410,  
19.3622

302.0690,  
314.7772, 375.3368

7.8647, 8.0101,  
11.7528

358.3803,

4.0596, 4.1014,

373.6564, 443.3322

6.4551

421.2881,  
439.4547, 519.0802

■ 1.7359, 1.7305,  
3.0505

■ 0.4786, 0.4433,  
1.1205

■ 82.2659, 85.2808,  
106.7327

■ 82.2659, 85.2808,  
106.7327

■ 68.5432, 69.3814,  
104.3871

95.0500, 100.0000,  
108.9000

■ 56.7152, 55.5601,  
102.3427

■ 46.7003, 43.7337,  
100.5878

■ 38.4077, 33.8091,  
99.1092

■ 31.7392, 25.6859,  
97.8928

■ 26.5861, 19.2545,  
96.9230

■ 22.8263, 14.3926,  
96.1827

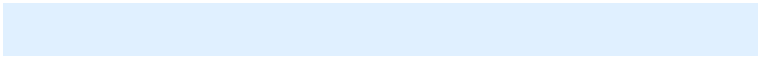
■ 20.3181, 10.9612,  
95.6526

■ 18.8763, 8.7890,  
95.3093

# Harmonies

## Analogous

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



79.7943, 85.2808, 106.6771



82.2659, 85.2808, 106.7327



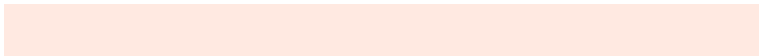
84.4563, 85.2808, 102.9420

# Triad

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



82.2659, 85.2808, 106.7327



84.5060, 85.2808, 83.5808



76.5391, 85.2808, 89.2688

# Complementary

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



82.2659, 85.2808, 106.7327



90.9010, 96.8194, 91.7406

# 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.



77.7499, 85.2808, 83.4518



82.2659, 85.2808, 106.7327



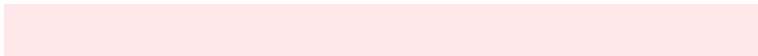
82.3326, 85.2808, 80.2839

# Square

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



82.2659, 85.2808, 106.7327



85.7674, 85.2808, 89.4532



79.8597, 85.2808, 80.2380



76.5220, 85.2808, 96.3447



# Rectangle

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



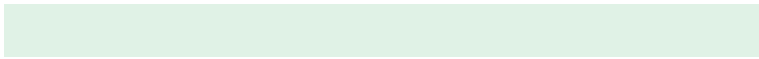
82.2659, 85.2808, 106.7327



85.4479, 85.2808, 98.8502



79.8597, 85.2808, 80.2380



76.8188, 85.2808, 87.1097

# Sweetspot

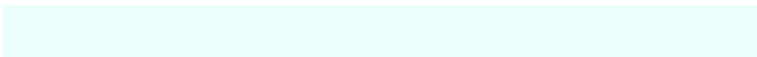
The Sweet Spot groups the original color and five complimentary colors.



82.2682, 85.2843, 106.7333



91.8200, 96.2886, 108.3539



87.2394, 96.0316, 105.9091



19.6871, 20.6486, 23.1979



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.



82.2682, 85.2843, 106.7333



79.7035, 82.3216, 106.2966



83.8691, 84.8296, 106.5611



17.2126, 17.7967, 22.7779



9.8316, 4.5728, 49.7990

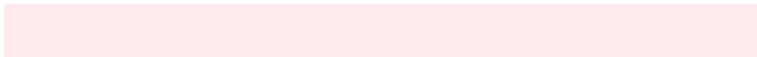


1.0173, 0.5653, 4.8688

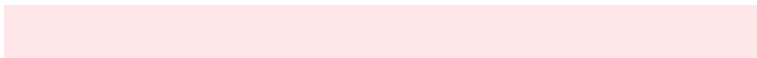


# Inverse Universe

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



85.9503, 86.2216, 92.2373



84.1269, 83.4673, 88.8779



89.1993, 97.3533, 91.9333



18.1152, 18.0294, 19.2237



21.7507, 11.1896, 2.0719

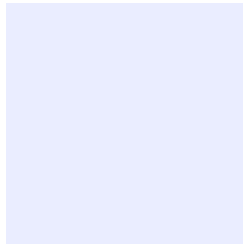


2.1481, 1.1016, 0.3612



# Previews

## White Background



This preview shows how the XYZ color 82.2659, 85.2808, 106.7327 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

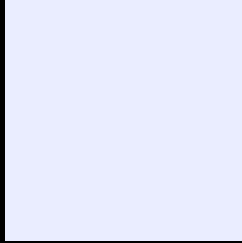
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.2659, 85.2808, 106.7327 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

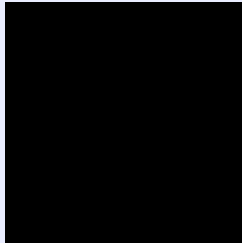
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 82.2659, 85.2808, 106.7327**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.2659, 85.2808, 106.7327.



This preview shows how white text looks on a background with the XYZ color 82.2659, 85.2808,

106.7327.

# 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

82.2659, 85.2808, 106.7327

### Protanopia

82.8099, 85.1512, 105.8372

### Deuteranopia

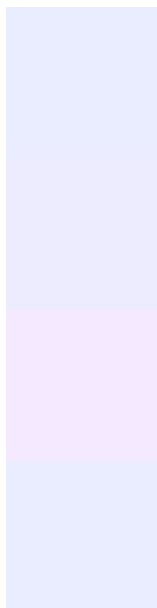
86.4096, 84.8811, 106.4371



## Tritanopia

82.2659, 85.2808, 106.7327

# Trichromacy



## Original Color

82.2659, 85.2808, 106.7327

## Protanomaly

82.4769, 84.9795, 105.8216

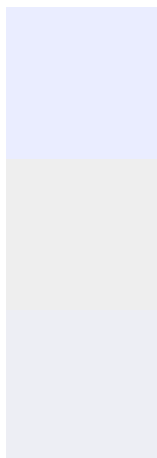
## Deuteranomaly

84.8451, 84.9103, 106.5253

## Tritanomaly

82.2659, 85.2808, 106.7327

# Monochromacy



## Original Color

82.2659, 85.2808, 106.7327

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

81.8287, 85.6852, 97.8140

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.2659, 85.2808, 106.7327 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(234, 237, 255) looks like.

```
.text, #text, p{  
    color:rgb(234, 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(234, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 237, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 82.2659, 85.2808, 106.7327 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(234, 237, 255) }
```



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

```
.border{ border-color:rgb(234, 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(234, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 237,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.2659, 85.2808, 106.7327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 237, 255) }
```

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

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