

Converting Colors

XYZ(83.1457, 85.9875,
109.6253)

Have a look what the booklet for
XYZ(83.1457, 85.9875, 109.6253)
contains.

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Color

**XYZ(82.5562, 85.8615,
106.8295)**

Conversions

Conversions Part 1

Format	Color
Hex	EAEFF
RGB	234, 238, 255
RGB Percent	92%, 93%, 100%
CMY	0.0823, 0.0666, 0.0000
CMYK	0.08, 0.07, 0.00, 0.00
HSL	229°, 100%, 96%
HSV	229°, 8%, 100%
XYZ	82.5562, 85.8615, 106.8295
YIQ	238.7420, -7.8410, 4.4390

Conversions

Conversions Part 2

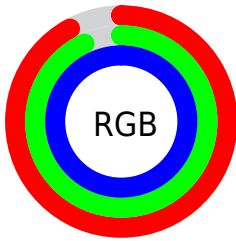
Format	Color
R _{YB}	234, 237, 255
Decimal	15396607
CIE Lab	94.25, 1.83, -8.64
CIE LCh	94, 8.835, 281.967
Yxy	85.8615, 0.2999, 0.3119
Android (android.graphics.Color)	4293586687 (0xFFEAEEFF)
YUV	238.7420, 8.0152, -4.1587
Hunter-Lab	92.6615, -3.1241, -3.4925

Details

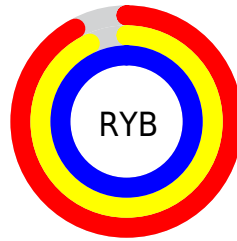
The XYZ color **82.5562, 85.8615, 106.8295** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.5876, 96.1928, 91.6360**, and the grayscale version is **81.7895, 86.0489, 93.7073**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.2811, 46.9981, 60.1110** is the 20% darker color. If you saturate the color by 10%, you get **69.1114, 70.5181, 104.5765**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

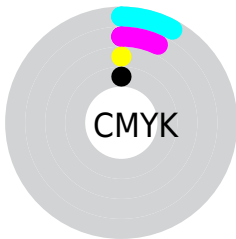
Distribution



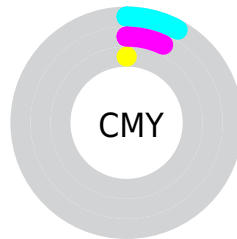
- Red (92%)
- Green (93%)
- Blue (100%)



- 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 82.5562, 85.8615, 106.8295 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 82.5562, 85.8615, 106.8295 by changing the saturation by 10% instead.

82.5562, 85.8615,
106.8295

82.5562, 85.8615,
106.8295

492.1126,
514.4744, 603.3064

62.1398, 64.5535,
81.3677

135.8855,
141.5762, 172.6447

45.4017, 47.0991,
60.3117

169.5290,
176.7516, 213.8352

31.9766, 33.1140,
43.2430

208.3123,
217.3183, 261.1056

21.4991, 22.2138,
29.7430

252.6007,
263.6607, 314.8746

13.6038, 14.0141,
19.3932

302.7596,
316.1631, 375.5606

7.9255, 8.1305,
11.7751

359.1543,

4.0987, 4.1785,

375.2099, 443.5823

6.4700

422.1502,
441.1855, 519.3580

■ 1.7581, 1.7739,
3.0596

■ 0.4922, 0.4708,
1.1251

■ 82.5562, 85.8615,
106.8295

■ 82.5562, 85.8615,
106.8295

■ 69.1114, 70.5181,
104.5765

95.0500, 100.0000,
108.9000

■ 57.4837, 57.0972,
102.5989

■ 47.5960, 45.5251,
100.8864

■ 39.3629, 35.7194,
99.4276

■ 32.6919, 27.5913,
98.2104

■ 27.4808, 21.0440,
97.2212

■ 23.6150, 15.9701,
96.4456

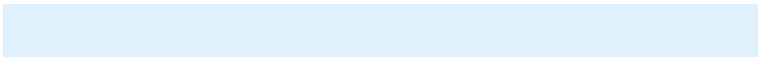
■ 20.9615, 12.2481,
95.8671

■ 19.3461, 9.7285,
95.4659

Harmonies

Analogous

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



80.2078, 85.8615, 106.4397



82.5562, 85.8615, 106.8295



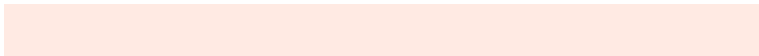
84.6905, 85.8615, 103.5198

Triad

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



82.5562, 85.8615, 106.8295



85.0401, 85.8615, 85.0398



77.3568, 85.8615, 89.5110

Complementary

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



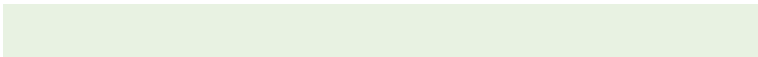
82.5562, 85.8615, 106.8295



90.5876, 96.1928, 91.6360

Split Complementary

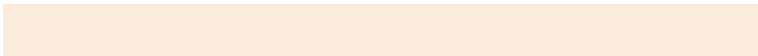
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.6028, 85.8615, 84.1273



82.5562, 85.8615, 106.8295



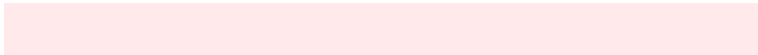
83.0259, 85.8615, 81.6330

Square

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



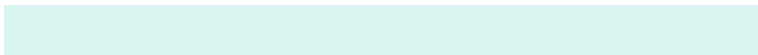
82.5562, 85.8615, 106.8295



86.1430, 85.8615, 90.8116



80.6686, 85.8615, 81.3073



77.2365, 85.8615, 96.2176

Rectangle

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



82.5562, 85.8615, 106.8295



85.6927, 85.8615, 99.7499



80.6686, 85.8615, 81.3073



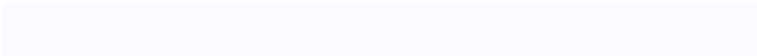
77.6567, 85.8615, 87.4950

Sweetspot

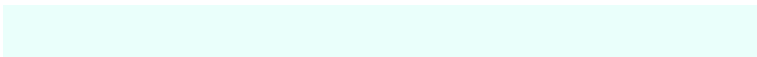
The Sweet Spot groups the original color and five complimentary colors.



82.5585, 85.8650, 106.8301



91.8958, 96.4402, 108.3791



87.0735, 95.9652, 105.0358



19.7026, 20.6795, 23.2031



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.



82.5585, 85.8650, 106.8301



80.0488, 83.0123, 106.4117



83.5110, 84.6448, 106.5443



17.2832, 17.9381, 22.8014



10.0765, 5.0626, 49.8807



1.0517, 0.6340, 4.8802

Inverse Universe

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



86.0968, 86.2801, 93.0091



84.3012, 83.5371, 89.7959



89.5718, 97.5454, 91.9506



18.1509, 18.0437, 19.4116



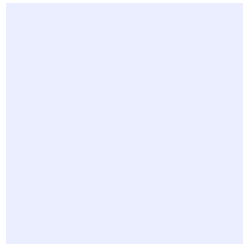
21.8744, 11.2390, 2.7229



2.1654, 1.1086, 0.4526

Previews

White Background



This preview shows how the XYZ color 82.5562, 85.8615, 106.8295 looks on a white background.

Color Contrast Check

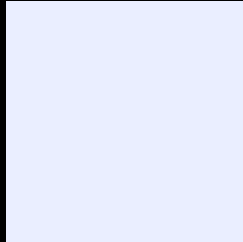
Large Text (above 18pt) WCAG AA × Fail

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 82.5562, 85.8615, 106.8295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

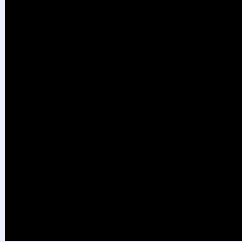
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.5562, 85.8615, 106.8295

Background



This preview shows how black text looks on a background with the XYZ color 82.5562, 85.8615, 106.8295.



This preview shows how white text looks on a background with the XYZ color 82.5562, 85.8615,

106.8295.

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

82.5562, 85.8615, 106.8295

Protanopia

83.4335, 85.9013, 105.9491

Deuteranopia

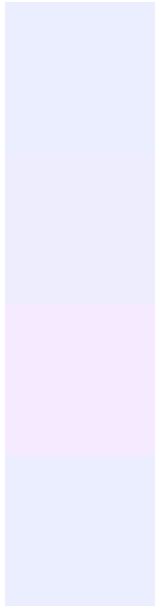
87.0515, 85.6287, 106.5476



Tritanopia

82.8855, 86.0312, 106.8449

Trichromacy



Original Color

82.5562, 85.8615, 106.8295

Protanomaly

83.0986, 85.7287, 105.9334

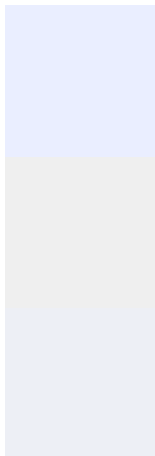
Deuteranomaly

85.1290, 85.4781, 106.6199

Tritanomaly

82.8855, 86.0312, 106.8449

Monochromacy



Original Color

82.5562, 85.8615, 106.8295

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

82.2730, 86.3301, 98.7133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.5562, 85.8615, 106.8295 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, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 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(234, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 238, 255) }
```

Border

The CSS property to change the border of an element to XYZ 82.5562, 85.8615, 106.8295 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, 238, 255) }
```


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

```
.border{ border-color:rgb(234, 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(234, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(234, 238, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(234, 238, 255); box-shadow:4px 4px 4px 4px rgb(234, 238, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 82.5562, 85.8615, 106.8295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 238, 255) }
```

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

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