

Converting Colors

XYZ(83.0938, 85.5840,
106.7476)

Have a look what the booklet for
XYZ(83.0938, 85.5840, 106.7476)
contains.

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Color

**XYZ(83.2592, 85.7929,
106.7792)**

Conversions

Conversions Part 1

Format	Color
Hex	EDEDFF
RGB	237, 237, 255
RGB Percent	93%, 93%, 100%
CMY	0.0706, 0.0706, 0.0000
CMYK	0.07, 0.07, 0.00, 0.00
HSL	240°, 100%, 96%
HSV	240°, 7%, 100%
XYZ	83.2592, 85.7929, 106.7792
YIQ	239.0520, -5.7780, 5.5980

Conversions

Conversions Part 2

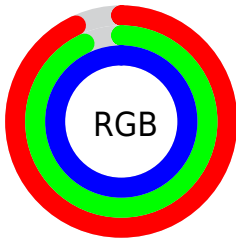
Format	Color
R _Y B	237, 237, 255
Decimal	15592959
CIE Lab	94.22, 3.31, -8.66
CIE LCh	94, 9.273, 290.905
Yxy	85.7929, 0.3018, 0.3110
Android (android.graphics.Color)	4293783039 (0xFFEDEDFF)
YUV	239.0520, 7.8624, -1.7996
Hunter-Lab	92.6245, -1.6409, -3.5135

Details

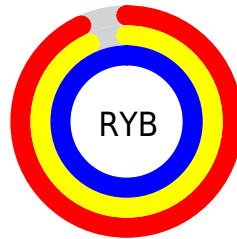
The XYZ color **83.2592, 85.7929, 106.7792** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **92.2851, 98.8922, 94.3463**, and the grayscale version is **82.0305, 86.3025, 93.9834**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.7730, 46.9487, 60.0756** is the 20% darker color. If you saturate the color by 10%, you get **68.4794, 67.9859, 104.1211**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

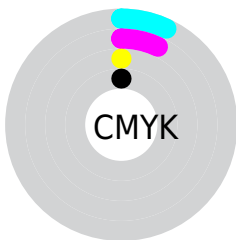
Distribution



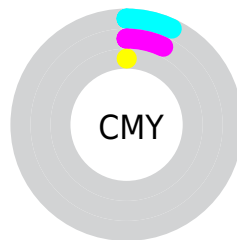
- Red (93%)
- Green (93%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.2592, 85.7929, 106.7792 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 83.2592, 85.7929, 106.7792 by changing the saturation by 10% instead.

83.2592, 85.7929,
106.7792

83.2592, 85.7929,
106.7792

494.4208,
514.2481, 603.1469

62.7216, 64.4967,
81.3257

136.8651,
141.4804, 172.5754

45.8739, 47.0531,
60.2773

170.6641,
176.6406, 213.7553

32.3505, 33.0776,
43.2155

209.6143,
217.1909, 261.0144

21.7862, 22.1859,
29.7216

254.0811,
263.5157, 314.7712

13.8156, 13.9936,
19.3771

304.4298,
315.9995, 375.4443

8.0734, 8.1162,
11.7635

361.0257,

4.1941, 4.1694,

375.0265, 443.4523

6.4623

424.2343,
440.9812, 519.2137

■ 1.8125, 1.7688,
3.0549

■ 0.5252, 0.4676,
1.1227

■ 83.2592, 85.7929,
106.7792

■ 83.2592, 85.7929,
106.7792

■ 68.4794, 67.9859,
104.1211

95.0500, 100.0000,
108.9000

■ 55.8624, 52.7839,
101.8518

■ 45.3091, 40.0682,
99.9536

■ 36.7097, 29.7064,
98.4068

■ 29.9441, 21.5542,
97.1899

■ 24.8795, 15.4513,
96.2788

■ 21.3648, 11.2158,
95.6465

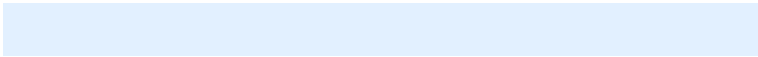
■ 19.2224, 8.6337,
95.2611

■ 18.2259, 7.4324,
95.0817

Harmonies

Analogous

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



80.7912, 85.7929, 107.5773



83.2592, 85.7929, 106.7792



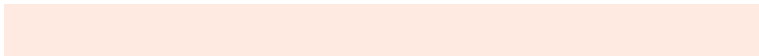
85.3057, 85.7929, 102.3050

Triad

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



83.2592, 85.7929, 106.7792



84.5917, 85.7929, 83.1980



76.9192, 85.7929, 91.2691

Complementary

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



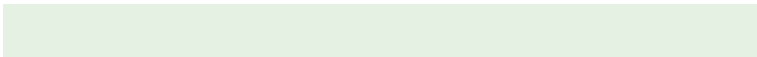
83.2592, 85.7929, 106.7792



92.2851, 98.8922, 94.3463

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.



77.8938, 85.7929, 85.0534



83.2592, 85.7929, 106.7792



82.3006, 85.7929, 80.5516

Square

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



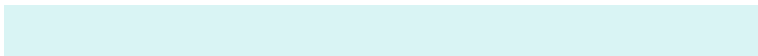
83.2592, 85.7929, 106.7792



86.0858, 85.7929, 88.6190



79.8517, 85.7929, 81.2131



77.1640, 85.7929, 98.3787

Rectangle

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



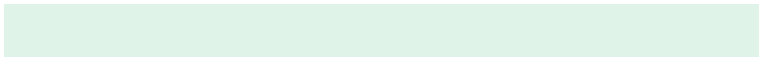
83.2592, 85.7929, 106.7792



86.1393, 85.7929, 97.9590



79.8517, 85.7929, 81.2131



77.1143, 85.7929, 89.0116

Sweetspot

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



83.2615, 85.7964, 106.7798



91.5934, 95.8353, 108.2783



88.6874, 96.7255, 108.3503



19.6409, 20.5563, 23.1825



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.



83.2615, 85.7964, 106.7798



81.7742, 84.0044, 106.5123



86.2359, 87.3282, 106.9187



17.0034, 17.3784, 22.7081



9.4319, 3.7735, 49.6658



0.9185, 0.3676, 4.8358

Inverse Universe

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



86.8116, 87.9442, 92.5245



85.7722, 86.4232, 90.4585



89.1580, 97.2818, 94.2003



18.0096, 17.9872, 18.6678



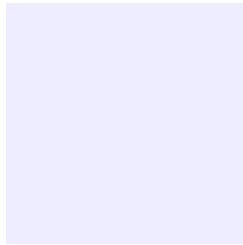
21.5490, 11.1089, 1.0096



2.0982, 1.0817, 0.0986

Previews

White Background



This preview shows how the XYZ color 83.2592, 85.7929, 106.7792 looks on a white background.

Color Contrast Check

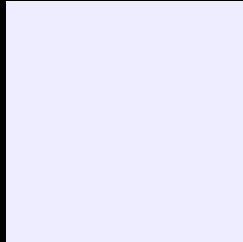
Large Text (above 18pt) WCAG AA × Fail

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 83.2592, 85.7929, 106.7792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

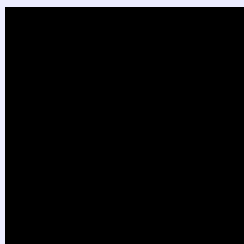
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.2592, 85.7929, 106.7792

Background



This preview shows how black text looks on a background with the XYZ color 83.2592, 85.7929, 106.7792.



This preview shows how white text looks on a background with the XYZ color 83.2592, 85.7929,

106.792.

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

83.2592, 85.7929, 106.7792

Protanopia

83.5941, 85.9655, 106.7949

Deuteranopia

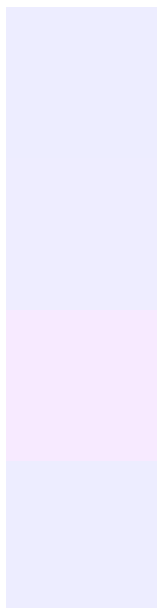
87.0515, 85.6287, 106.5476



Tritanopia

83.2592, 85.7929, 106.7792

Trichromacy



Original Color

83.2592, 85.7929, 106.7792

Protanomaly

83.5941, 85.9655, 106.7949

Deuteranomaly

85.8306, 85.8398, 106.6527

Tritanomaly

83.2592, 85.7929, 106.7792

Monochromacy



Original Color

83.2592, 85.7929, 106.7792

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

82.3159, 85.9188, 98.6317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.2592, 85.7929, 106.7792 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(237, 237, 255)` looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 83.2592, 85.7929, 106.7792 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(237, 237, 255) }
```


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

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

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

Background

The CSS property to change the background color of an element to XYZ 83.2592, 85.7929, 106.7792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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