

Converting Colors

XYZ(83.0813, 85.2261,
113.8672)

Have a look what the booklet for
XYZ(83.0813, 85.2261, 113.8672)
contains.

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Color

**XYZ(81.6497, 84.5345,
106.6211)**

Conversions

Conversions Part 1

Format	Color
Hex	E9ECFF
RGB	233, 236, 255
RGB Percent	91%, 93%, 100%
CMY	0.0863, 0.0745, 0.0000
CMYK	0.09, 0.07, 0.00, 0.00
HSL	232°, 100%, 96%
HSV	232°, 9%, 100%
XYZ	81.6497, 84.5345, 106.6211
YIQ	237.2690, -7.8870, 5.2730

Conversions

Conversions Part 2

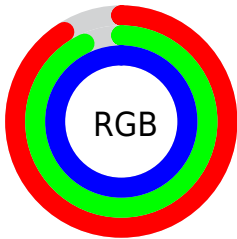
Format	Color
R _Y B	233, 236, 255
Decimal	15330559
CIE Lab	93.68, 2.54, -9.50
CIE LCh	94, 9.832, 284.974
Yxy	84.5345, 0.2993, 0.3099
Android (android.graphics.Color)	4293520639 (0xFFE9ECFF)
YUV	237.2690, 8.7414, -3.7439
Hunter-Lab	91.9426, -2.3826, -4.3957

Details

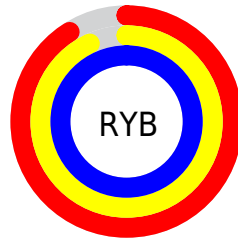
The XYZ color **81.6497, 84.5345, 106.6211** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.7577, 96.7621, 90.9859**, and the grayscale version is **80.6445, 84.8443, 92.3954**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.6458, 46.0668, 59.9648** is the 20% darker color. If you saturate the color by 10%, you get **67.9658, 68.6442, 104.2752**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

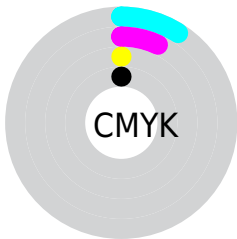
Distribution



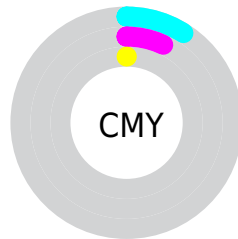
- Red (91%)
- Green (93%)
- Blue (100%)



- Red (91%)
- Yellow (93%)
- Blue (100%)



- Cyan (9%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.6497, 84.5345, 106.6211 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 81.6497, 84.5345, 106.6211 by changing the saturation by 10% instead.

81.6497, 84.5345,
106.6211

81.6497, 84.5345,
106.6211

489.1275,
510.0865, 602.6454

61.3900, 63.4568,
81.1939

134.6210,
139.7226, 172.3577

44.7937, 46.2109,
60.1694

168.0633,
174.6018, 213.5041

31.4955, 32.4123,
43.1290

206.6305,
214.8504, 260.7274

21.1302, 21.6766,
29.6542

250.6880,
260.8526, 314.4461

13.3322, 13.6195,
19.3264

300.6011,
312.9930, 375.0787

7.7363, 7.8565,
11.7272

356.7351,

3.9770, 4.0032,

371.6558, 443.0437

6.4379

419.4555,
437.2255, 518.7598

■ 1.6891, 1.6754,
3.0401

■ 0.4495, 0.4076,
1.1151

■ 81.6497, 84.5345,
106.6211

■ 81.6497, 84.5345,
106.6211

■ 67.9658, 68.6442,
104.2752

95.0500, 100.0000,
108.9000

■ 56.1845, 54.8506,
102.2337

■ 46.2229, 43.0686,
100.4846

■ 37.9895, 33.2036,
99.0144

■ 31.3845, 25.1530,
97.8086

■ 26.2980, 18.8048,
96.8514

■ 22.6063, 14.0340,
96.1251

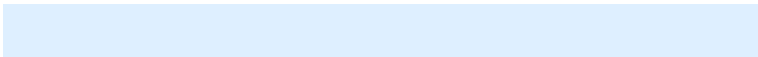
■ 20.1651, 10.6979,
95.6098

■ 18.7818, 8.6185,
95.2814

Harmonies

Analogous

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



79.0548, 84.5345, 106.6173



81.6497, 84.5345, 106.6211



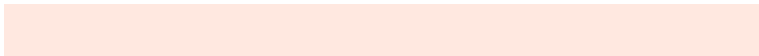
83.9429, 84.5345, 102.5782

Triad

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



81.6497, 84.5345, 106.6211



83.9462, 84.5345, 82.2650



75.6026, 84.5345, 88.3715

Complementary

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



81.6497, 84.5345, 106.6211



90.7577, 96.7621, 90.9859

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.



76.8563, 84.5345, 82.2564



81.6497, 84.5345, 106.6211



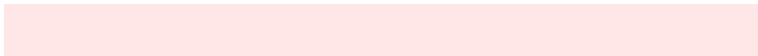
81.6542, 84.5345, 78.8626

Square

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



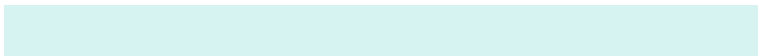
81.6497, 84.5345, 106.6211



85.2882, 84.5345, 88.3839



79.0592, 84.5345, 78.8595



75.6014, 84.5345, 95.8032

Rectangle

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



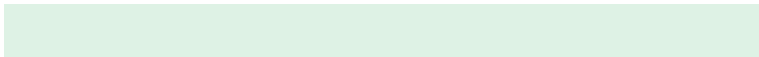
81.6497, 84.5345, 106.6211



84.9759, 84.5345, 98.2516



79.0592, 84.5345, 78.8595



75.8903, 84.5345, 86.1030

Sweetspot

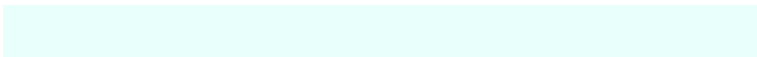
The Sweet Spot groups the original color and five complimentary colors.



81.6519, 84.5380, 106.6217



90.2201, 94.4354, 108.0805



86.8882, 95.8533, 105.7687



19.0412, 19.9020, 23.0878



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.



81.6519, 84.5380, 106.6217



79.6565, 82.2277, 106.2809



83.3633, 84.1473, 106.4561



17.2029, 17.7775, 22.7747



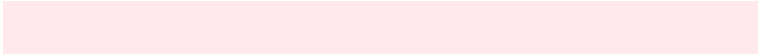
9.8034, 4.5163, 49.7896



1.0128, 0.5563, 4.8673

Inverse Universe

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



85.5206, 85.5954, 91.3751



84.1032, 83.4579, 88.7531



88.9322, 97.2322, 91.1728



18.1103, 18.0274, 19.1982



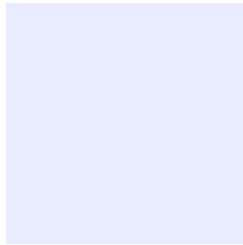
21.7365, 11.1839, 1.9968



2.1458, 1.1007, 0.3493

Previews

White Background



This preview shows how the XYZ color 81.6497, 84.5345, 106.6211 looks on a white background.

Color Contrast Check

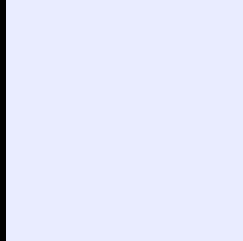
Large Text (above 18pt) WCAG AA × Fail

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 81.6497, 84.5345, 106.6211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

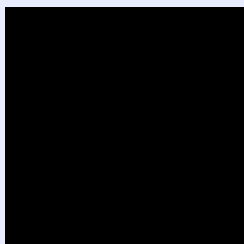
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.6497, 84.5345, 106.6211

Background



This preview shows how black text looks on a background with the XYZ color 81.6497, 84.5345, 106.6211.



This preview shows how white text looks on a background with the XYZ color 81.6497, 84.5345,

106.6211.

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

81.6497, 84.5345, 106.6211

Protanopia

82.3504, 84.4695, 106.5717

Deuteranopia

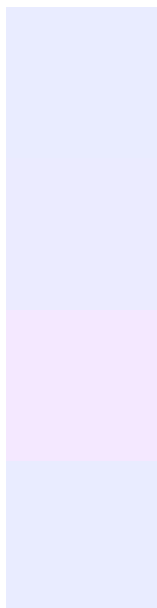
85.7712, 84.1376, 106.3273



Tritanopia

81.6497, 84.5345, 106.6211

Trichromacy



Original Color

81.6497, 84.5345, 106.6211

Protanomaly

82.0193, 84.2988, 106.5562

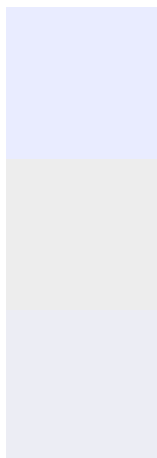
Deuteranomaly

84.2148, 84.1663, 106.4149

Tritanomaly

81.6497, 84.5345, 106.6211

Monochromacy



Original Color

81.6497, 84.5345, 106.6211

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

81.2054, 84.9329, 97.7017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.6497, 84.5345, 106.6211 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(233, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 236, 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(233, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 236, 255) }
```

Border

The CSS property to change the border of an element to XYZ 81.6497, 84.5345, 106.6211 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(233, 236, 255) }
```


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

```
.border{ border-color:rgb(233, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 236,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 81.6497, 84.5345, 106.6211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 236, 255) }
```

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

```
.background{ background-color: rgb(233,  
236, 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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