

Converting Colors

XYZ(82.0071, 85.7604,
105.1611)

Have a look what the booklet for
XYZ(82.0071, 85.7604, 105.1611)
contains.

XYZ(81.9084, 85.5646, 105.1271)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(81.9084, 85.5646,
105.1271)**

Conversions

Conversions Part 1

Format	Color
Hex	E9EEFD
RGB	233, 238, 253
RGB Percent	91%, 93%, 99%
CMY	0.0863, 0.0666, 0.0078
CMYK	0.08, 0.06, 0.00, 0.01
HSL	225°, 83%, 95%
HSV	225°, 8%, 99%
XYZ	81.9084, 85.5646, 105.1271
YIQ	238.2150, -7.7950, 3.6050

Conversions

Conversions Part 2

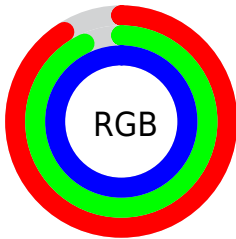
Format	Color
R _Y B	233, 237, 253
Decimal	15331069
CIE Lab	94.13, 1.13, -7.80
CIE LCh	94, 7.883, 278.237
Yxy	85.5646, 0.3005, 0.3139
Android (android.graphics.Color)	4293521149 (0xFFE9EEFD)
YUV	238.2150, 7.2890, -4.5736
Hunter-Lab	92.5011, -3.8179, -2.6320

Details

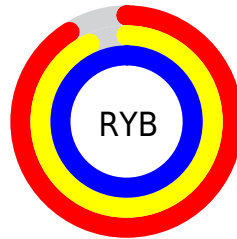
The XYZ color **81.9084, 85.5646, 105.1271** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.7836, 93.8997, 90.5372**, and the grayscale version is **81.3863, 85.6247, 93.2453**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.8232, 46.7885, 58.8932** is the 20% darker color. If you saturate the color by 10%, you get **68.9992, 71.1401, 103.0246**, and if you desaturate by 10%, it is **94.7299, 99.8720, 107.2143**.

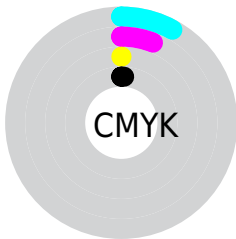
Distribution



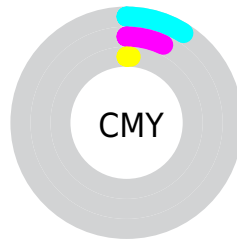
- Red (91%)
- Green (93%)
- Blue (99%)



- Red (91%)
- Yellow (93%)
- Blue (99%)



- Cyan (8%)
- Magenta (6%)
- Yellow (0%)
- Black (1%)



- Cyan (9%)
- Magenta (7%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.9084, 85.5646, 105.1271 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 81.9084, 85.5646, 105.1271 by changing the saturation by 10% instead.

81.9084, 85.5646,
105.1271

81.9084, 85.5646,
105.1271

489.9804,
513.4944, 597.8950

61.6039, 64.3080,
79.9486

134.9820,
141.1617, 170.2984

44.9671, 46.9002,
59.1501

168.4819,
176.2711, 211.1283

31.6327, 32.9567,
42.3132

207.1108,
216.7668, 258.0124

21.2353, 22.0933,
29.0192

251.2343,
263.0332, 311.3693

13.4095, 13.9255,
18.8496

301.2177,
315.4548, 371.6174

7.7901, 8.0689,
11.3860

357.4262,

4.0116, 4.1390,

374.4159, 439.1754

6.2096

420.2253,
440.3010, 514.4618

■ 1.7087, 1.7516,
2.9021

■ 0.4617, 0.4568,
1.0449

■ 81.9084, 85.5646,
105.1271

■ 81.9084, 85.5646,
105.1271

■ 68.9992, 71.1401,
103.0246

94.7299, 99.8720,
107.2143

■ 57.7856, 58.4247,
101.1613

■ 48.1974, 47.3565,
99.5303

■ 40.1568, 37.8660,
98.1222

■ 33.5791, 29.8782,
96.9271

■ 28.3712, 23.3116,
95.9341

■ 24.4286, 18.0766,
95.1314

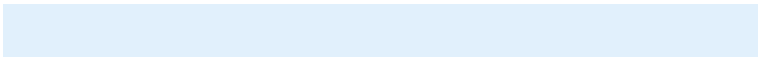
■ 21.6302, 14.0716,
94.5059

■ 19.8197, 11.1730,
94.0418

Harmonies

Analogous

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



79.8336, 85.5646, 104.3623



81.9084, 85.5646, 105.1271



83.8600, 85.5646, 102.5796

Triad

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



81.9084, 85.5646, 105.1271



84.5506, 85.5646, 86.1669



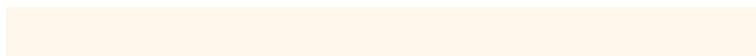
77.6216, 85.5646, 88.9290

Complementary

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



81.9084, 85.5646, 105.1271



88.7836, 93.8997, 90.5372

Split Complementary

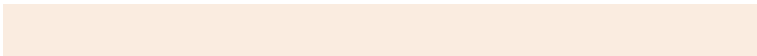
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.8447, 85.5646, 84.3454



81.9084, 85.5646, 105.1271



82.8380, 85.5646, 82.7993

Square

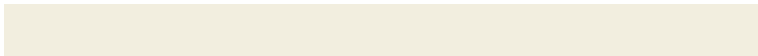
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.9084, 85.5646, 105.1271



85.4026, 85.5646, 91.5129



80.7475, 85.5646, 82.1471



77.3824, 85.5646, 94.8375

Rectangle

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



81.9084, 85.5646, 105.1271



84.8202, 85.5646, 99.4078



80.7475, 85.5646, 82.1471



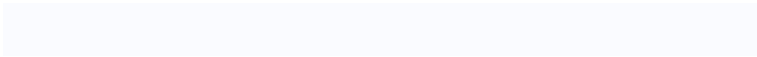
77.9303, 85.5646, 87.1898

Sweetspot

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



81.9109, 85.5682, 105.1290



91.9907, 96.6299, 108.4107



85.6225, 94.3322, 102.2325



19.7219, 20.7181, 23.2095



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.



81.9109, 85.5682, 105.1290



81.8589, 85.4121, 106.7795



82.0180, 83.4906, 104.7223



17.3722, 18.1160, 22.8311



10.4823, 5.8742, 50.0159



1.1029, 0.7364, 4.8973

Inverse Universe

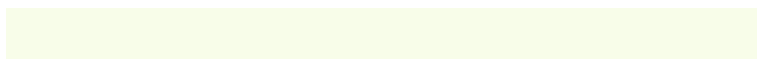
The Inverse Universe completely reimagines the original color for something new.



85.0815, 85.3352, 92.8803



85.5127, 85.1622, 92.6596



88.6643, 96.1526, 90.9783



18.1958, 18.0616, 19.6481



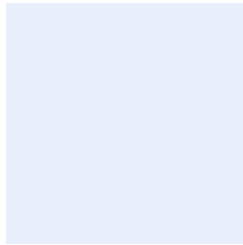
22.0792, 11.3210, 3.8015



2.1913, 1.1189, 0.5887

Previews

White Background



This preview shows how the XYZ color 81.9084, 85.5646, 105.1271 looks on a white background.

Color Contrast Check

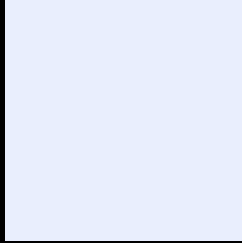
Large Text (above 18pt) WCAG AA × Fail

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 81.9084, 85.5646, 105.1271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

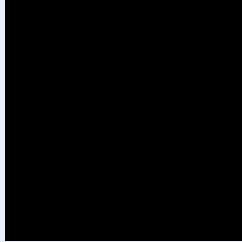
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

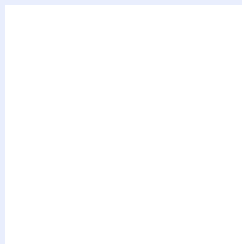
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.9084, 85.5646, 105.1271

Background



This preview shows how black text looks on a background with the XYZ color 81.9084, 85.5646, 105.1271.



This preview shows how white text looks on a background with the XYZ color 81.9084, 85.5646,

105.1271.

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

81.9084, 85.5646, 105.1271

Protanopia

83.1148, 85.7738, 104.2708

Deuteranopia

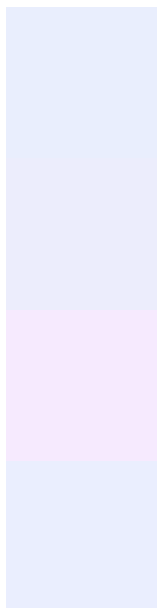
87.3384, 85.3784, 105.6424



Tritanopia

82.5562, 85.8615, 106.8295

Trichromacy



Original Color

81.9084, 85.5646, 105.1271

Protanomaly

82.4469, 85.4295, 104.2396

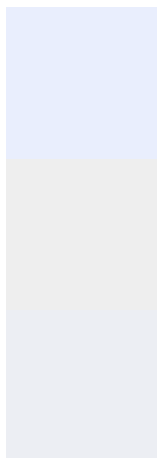
Deuteranomaly

85.3182, 85.5942, 105.7905

Tritanomaly

82.3956, 85.7973, 105.9837

Monochromacy



Original Color

81.9084, 85.5646, 105.1271

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.3443, 85.4530, 97.0008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.9084, 85.5646, 105.1271 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, 238, 253) looks like.

```
.text, #text, p{  
    color:rgb(233, 238, 253)  
}
```

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, 238, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 238, 253) }
```

Border

The CSS property to change the border of an element to XYZ 81.9084, 85.5646, 105.1271 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, 238, 253) }
```


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

```
.border{ border-color:rgb(233, 238, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 238, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 238, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 238, 253);  
box-shadow:4px 4px 4px 4px rgb(233, 238,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 81.9084, 85.5646, 105.1271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 238, 253) }
```

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

```
.background{ background-color: rgb(233,  
238, 253) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor