

Converting Colors

XYZ(82.0906, 85.5462,
112.7661)

Have a look what the booklet for
XYZ(82.0906, 85.5462, 112.7661)
contains.

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Color

**XYZ(80.9376, 85.0271,
106.7537)**

Conversions

Conversions Part 1

Format	Color
Hex	E5EEFF
RGB	229, 238, 255
RGB Percent	90%, 93%, 100%
CMY	0.1020, 0.0666, 0.0000
CMYK	0.10, 0.07, 0.00, 0.00
HSL	219°, 100%, 95%
HSV	219°, 10%, 100%
XYZ	80.9376, 85.0271, 106.7537
YIQ	237.2470, -10.8210, 3.3790

Conversions

Conversions Part 2

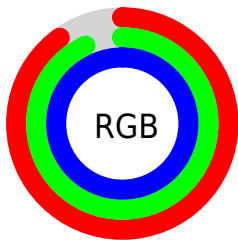
Format	Color
R _Y B	229, 236, 255
Decimal	15068927
CIE Lab	93.89, 0.24, -9.21
CIE LCh	94, 9.217, 271.480
Yxy	85.0271, 0.2968, 0.3118
Android (android.graphics.Color)	4293259007 (0xFFE5EEFF)
YUV	237.2470, 8.7522, -7.2326
Hunter-Lab	92.2101, -4.6891, -4.0942

Details

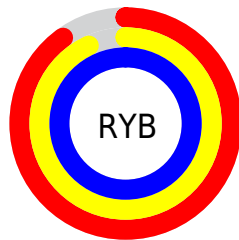
The XYZ color **80.9376, 85.0271, 106.7537** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.3379, 92.8267, 87.3917**, and the grayscale version is **80.6291, 84.8281, 92.3778**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1546, 46.4174, 60.0583** is the 20% darker color. If you saturate the color by 10%, you get **68.7609, 71.8778, 104.8575**, and if you desaturate by 10%, it is **94.7633, 99.6981, 108.8568**.

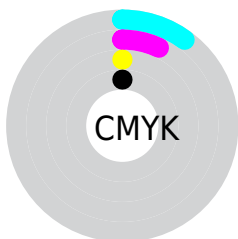
Distribution



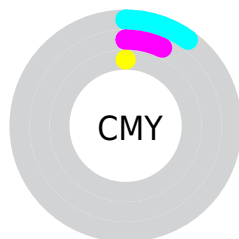
- Red (90%)
- Green (93%)
- Blue (100%)



- Red (90%)
- Yellow (93%)
- Blue (100%)



- Cyan (10%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.9376, 85.0271, 106.7537 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 80.9376, 85.0271, 106.7537 by changing the saturation by 10% instead.

80.9376, 85.0271,
106.7537

80.9376, 85.0271,
106.7537

486.7756,
511.7177, 603.0660

60.8013, 63.8638,
81.3045

133.6268,
140.4110, 172.5403

44.3168, 46.5403,
60.2599

166.9104,
175.4004, 213.7148

31.1186, 32.6724,
43.2015

205.3071,
215.7673, 260.9681

20.8414, 21.8756,
29.7107

249.1824,
261.8961, 314.7188

13.1200, 13.7655,
19.3689

298.9015,
314.1711, 375.3854

7.5888, 7.9578,
11.7576

354.8298,

3.8825, 4.0679,

372.9768, 443.3864

6.4583

417.3327,
438.6975, 519.1405

■ 1.6359, 1.7116,
3.0525

■ 0.4156, 0.4312,
1.1215

■ 80.9376, 85.0271,
106.7537

■ 80.9376, 85.0271,
106.7537

■ 68.7609, 71.8778,
104.8575

94.7633, 99.6981,
108.8568

■ 58.1624, 60.1889,
103.1599

95.0500, 100.0000,
108.9000

■ 49.0759, 49.9096,
101.6547

■ 41.4279, 40.9825,
100.3347

■ 35.1381, 33.3455,
99.1921

■ 30.1179, 26.9310,
98.2186

■ 26.2669, 21.6641,
97.4049

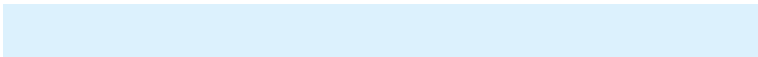
■ 23.4673, 17.4593,
96.7409

■ 21.5652, 14.2504,
96.2217

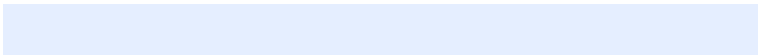
Harmonies

Analogous

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



78.5841, 85.0271, 104.9659



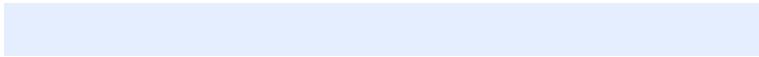
80.9376, 85.0271, 106.7537



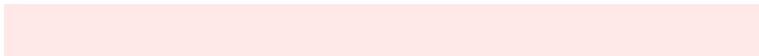
83.3043, 85.0271, 104.5869

Triad

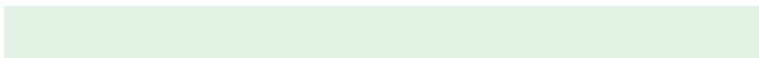
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.9376, 85.0271, 106.7537



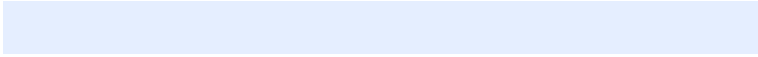
84.9061, 85.0271, 85.7025



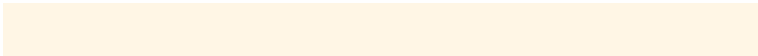
76.7411, 85.0271, 86.2778

Complementary

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



80.9376, 85.0271, 106.7537



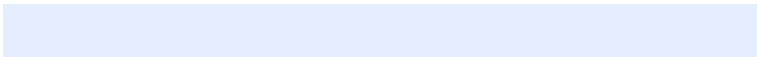
88.3379, 92.8267, 87.3917

Split Complementary

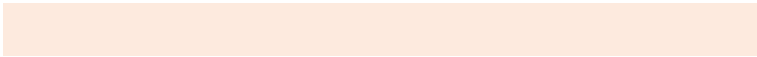
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.3772, 85.0271, 81.5292



80.9376, 85.0271, 106.7537



83.0892, 85.0271, 81.2091

Square

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



80.9376, 85.0271, 106.7537



85.6240, 85.0271, 92.2316



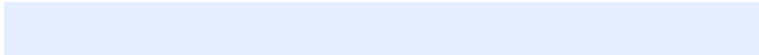
80.6939, 85.0271, 79.7200



76.1909, 85.0271, 92.9294

Rectangle

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



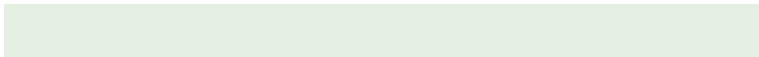
80.9376, 85.0271, 106.7537



84.5631, 85.0271, 101.2519



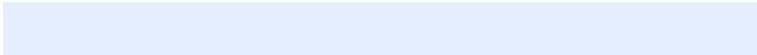
80.6939, 85.0271, 79.7200



77.1807, 85.0271, 84.4181

Sweetspot

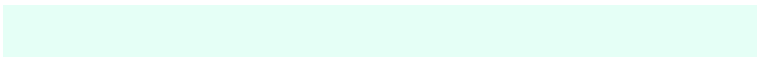
The Sweet Spot groups the original color and five complimentary colors.



80.9399, 85.0306, 106.7543



90.7167, 95.4286, 108.2460



84.6931, 94.8261, 100.9484



19.1747, 20.1692, 23.1324



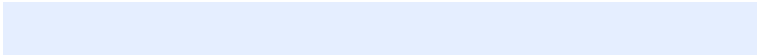
0.0000, 0.0000, 0.0000



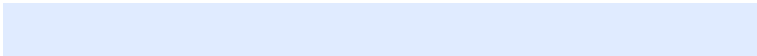
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9399, 85.0306, 106.7543



78.6221, 82.5463, 106.3969



79.6421, 80.5668, 105.9611



17.5174, 18.4064, 22.8795



11.3933, 7.6962, 50.3196



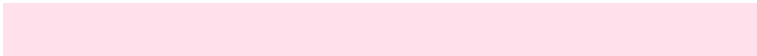
1.2067, 0.9441, 4.9319

Inverse Universe

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



84.6933, 83.4731, 92.5412



82.9983, 80.7846, 89.8136



89.7229, 97.7051, 88.2603



18.2690, 18.0909, 20.0339



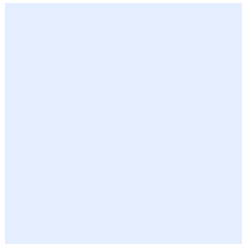
22.5390, 11.5049, 6.2229



2.2437, 1.1399, 0.8647

Previews

White Background



This preview shows how the XYZ color 80.9376, 85.0271, 106.7537 looks on a white background.

Color Contrast Check

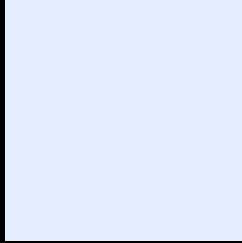
Large Text (above 18pt) WCAG AA × Fail

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 80.9376, 85.0271, 106.7537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

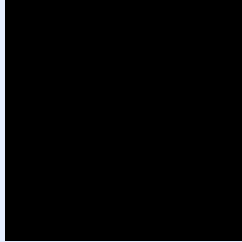
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

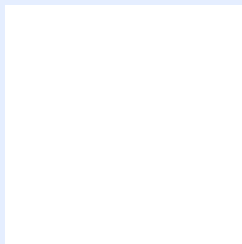
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.9376, 85.0271, 106.7537

Background



This preview shows how black text looks on a background with the XYZ color 80.9376, 85.0271, 106.7537.



This preview shows how white text looks on a background with the XYZ color 80.9376, 85.0271,

106.7537.

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

80.9376, 85.0271, 106.7537

Protanopia

82.8099, 85.1512, 105.8372

Deuteranopia

86.0503, 84.6958, 106.4203



Tritanopia

81.2577, 85.1921, 106.7687

Trichromacy



Original Color

80.9376, 85.0271, 106.7537

Protanomaly

82.1053, 85.2166, 105.8870

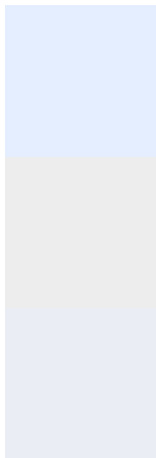
Deuteranomaly

84.0908, 84.9429, 106.5713

Tritanomaly

81.2577, 85.1921, 106.7687

Monochromacy



Original Color

80.9376, 85.0271, 106.7537

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.5450, 84.5925, 97.6708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9376, 85.0271, 106.7537 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(229, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 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(229, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 238, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.9376, 85.0271, 106.7537 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(229, 238, 255) }
```


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

```
.border{ border-color:rgb(229, 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(229, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 238,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9376, 85.0271, 106.7537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 238, 255) }
```

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

```
.background{ background-color: rgb(229,  
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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