

Converting Colors

XYZ(81.5493, 86.1778,
106.9436)

Have a look what the booklet for
XYZ(81.5493, 86.1778, 106.9436)
contains.

XYZ(81.5232, 86.1982, 106.9489)	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(81.5232, 86.1982,
106.9489)**

Conversions

Conversions Part 1

Format	Color
Hex	E5F0FF
RGB	229, 240, 255
RGB Percent	90%, 94%, 100%
CMY	0.1020, 0.0588, 0.0000
CMYK	0.10, 0.06, 0.00, 0.00
HSL	215°, 100%, 95%
HSV	215°, 10%, 100%
XYZ	81.5232, 86.1982, 106.9489
YIQ	238.4210, -11.3710, 2.3330

Conversions

Conversions Part 2

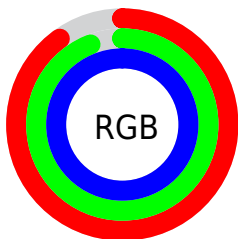
Format	Color
R _Y B	229, 237, 255
Decimal	15069439
CIE Lab	94.40, -0.79, -8.47
CIE LCh	94, 8.505, 264.694
Yxy	86.1982, 0.2968, 0.3138
Android (android.graphics.Color)	4293259519 (0xFFE5F0FF)
YUV	238.4210, 8.1734, -8.2622
Hunter-Lab	92.8430, -5.7387, -3.3080

Details

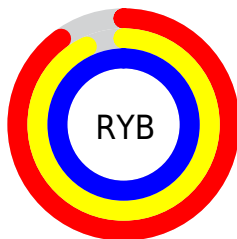
The XYZ color **81.5232, 86.1982, 106.9489** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.7329, 91.6167, 87.1901**, and the grayscale version is **81.5411, 85.7876, 93.4227**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.5671, 47.2424, 60.1958** is the 20% darker color. If you saturate the color by 10%, you get **69.8214, 73.9988, 105.2109**, and if you desaturate by 10%, it is **94.7756, 99.7227, 108.8609**.

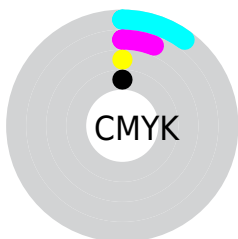
Distribution



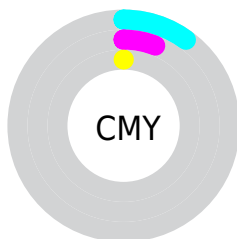
- Red (90%)
- Green (94%)
- Blue (100%)



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



- Cyan (10%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.5232, 86.1982, 106.9489 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 81.5232, 86.1982, 106.9489 by changing the saturation by 10% instead.

81.5232, 86.1982,
106.9489

81.5232, 86.1982,
106.9489

488.7101,
515.5845, 603.6850

61.2854, 64.8319,
81.4673

134.4445,
142.0460, 172.8091

44.7089, 47.3248,
60.3933

167.8586,
177.2963, 214.0248

31.4285, 33.2925,
43.3083

206.3956,
217.9434, 261.3223

21.0788, 22.3506,
29.7939

250.4207,
264.3717, 315.1200

13.2944, 14.1147,
19.4315

300.2994,
316.9656, 375.8367

7.7100, 8.2005,
11.8025

356.3970,

3.9602, 4.2235,

376.1094, 443.8907

6.4885

419.0787,
442.1876, 519.7006

■ 1.6796, 1.7994,
3.0707

■ 0.4435, 0.4868,
1.1309

■ 81.5232, 86.1982,
106.9489

■ 81.5232, 86.1982,
106.9489

■ 69.8214, 73.9988,
105.2109

94.7756, 99.7227,
108.8609

■ 59.6032, 63.0705,
103.6401

95.0500, 100.0000,
108.9000

■ 50.8066, 53.3710,
102.2316

■ 43.3623, 44.8513,
100.9795

■ 37.1946, 37.4586,
99.8776

■ 32.2200, 31.1353,
98.9193

■ 28.3435, 25.8173,
98.0971

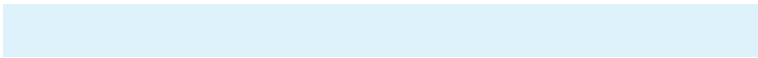
■ 25.4530, 21.4307,
97.4028

■ 23.4046, 17.9293,
96.8349

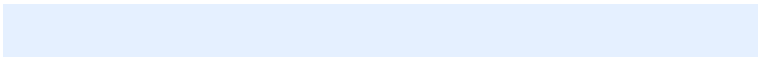
Harmonies

Analogous

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



79.4159, 86.1982, 104.5020



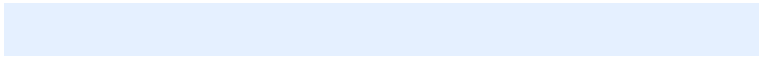
81.5232, 86.1982, 106.9489



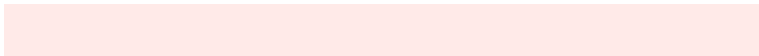
83.7779, 86.1982, 105.7569

Triad

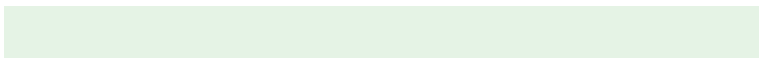
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.5232, 86.1982, 106.9489



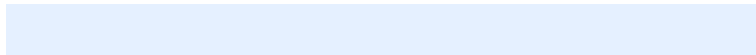
85.9855, 86.1982, 88.6963



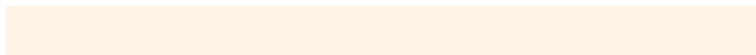
78.3956, 86.1982, 86.7697

Complementary

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



81.5232, 86.1982, 106.9489



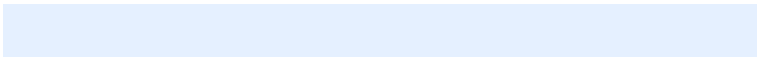
87.7329, 91.6167, 87.1901

Split Complementary

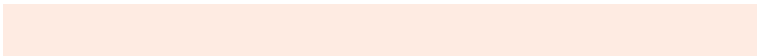
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.1071, 86.1982, 82.8817



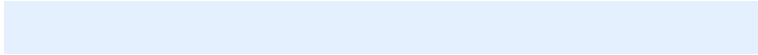
81.5232, 86.1982, 106.9489



84.4942, 86.1982, 83.9573

Square

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



81.5232, 86.1982, 106.9489



86.3815, 86.1982, 95.0235



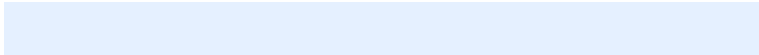
82.3357, 86.1982, 81.8763



77.6318, 86.1982, 92.6964

Rectangle

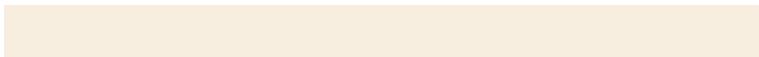
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.5232, 86.1982, 106.9489



85.0577, 86.1982, 103.0865



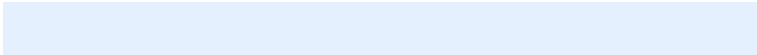
82.3357, 86.1982, 81.8763



78.8776, 86.1982, 85.1921

Sweetspot

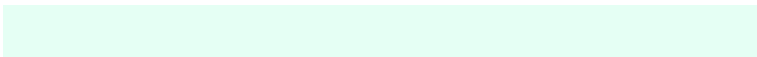
The Sweet Spot groups the original color and five complimentary colors.



81.5255, 86.2017, 106.9495



90.8999, 95.7949, 108.3071



84.3626, 94.6939, 99.2079



19.2241, 20.2679, 23.1488



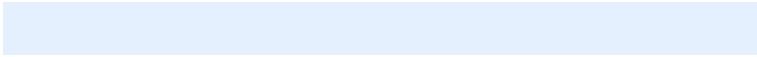
0.0000, 0.0000, 0.0000



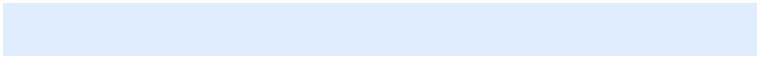
20.3446, 21.4041, 23.3091

Same Dimension

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



81.5255, 86.2017, 106.9495



79.3005, 83.9031, 106.6231



78.9396, 80.2048, 105.9282



17.6349, 18.6414, 22.9186



12.3698, 9.6491, 50.6451



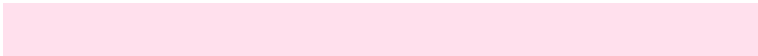
1.3098, 1.1503, 4.9663

Inverse Universe

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



84.9889, 83.5914, 94.0976



83.3407, 80.9215, 91.6168



90.5084, 98.1100, 88.2972



18.3284, 18.1147, 20.3463



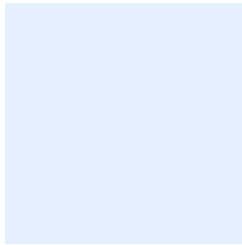
23.0319, 11.7020, 8.8183



2.2957, 1.1607, 1.1388

Previews

White Background



This preview shows how the XYZ color 81.5232, 86.1982, 106.9489 looks on a white background.

Color Contrast Check

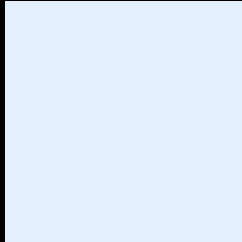
Large Text (above 18pt) WCAG AA × Fail

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 81.5232, 86.1982, 106.9489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

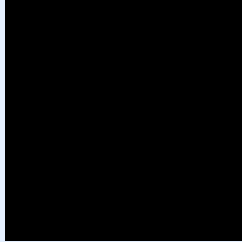
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

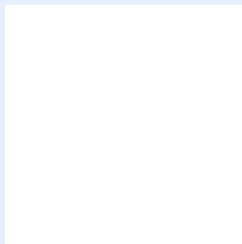
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.5232, 86.1982, 106.9489

Background



This preview shows how black text looks on a background with the XYZ color 81.5232, 86.1982, 106.9489.



This preview shows how white text looks on a background with the XYZ color 81.5232, 86.1982,

106.9489.

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

81.5232, 86.1982, 106.9489

Protanopia

83.6104, 86.0109, 105.1235

Deuteranopia

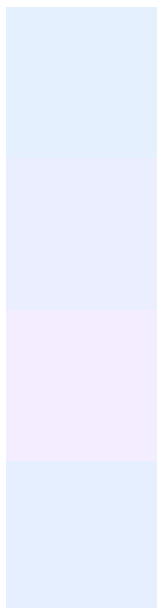
87.3338, 86.1933, 106.6417



Tritanopia

81.8715, 85.9419, 106.8811

Trichromacy



Original Color

81.5232, 86.1982, 106.9489

Protanomaly

82.7249, 85.9670, 105.9992

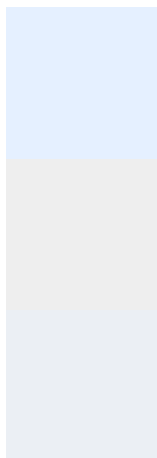
Deuteranomaly

85.3537, 86.4440, 106.7945

Tritanomaly

81.5496, 85.7760, 106.8660

Monochromacy



Original Color

81.5232, 86.1982, 106.9489

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.4566, 85.9268, 97.8803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.5232, 86.1982, 106.9489 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, 240, 255) looks like.

```
.text, #text, p{  
    color:rgb(229, 240, 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, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 240, 255) }
```

Border

The CSS property to change the border of an element to XYZ 81.5232, 86.1982, 106.9489 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, 240, 255) }
```


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

```
.border{ border-color:rgb(229, 240, 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, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 240,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 81.5232, 86.1982, 106.9489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 240, 255) }
```

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

```
.background{ background-color: rgb(229,  
240, 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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