

Converting Colors

XYZ(83.5464, 89.8912,
117.9191)

Have a look what the booklet for
XYZ(83.5464, 89.8912, 117.9191)
contains.

XYZ(81.4372, 88.8195, 107.4594)	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(81.4372, 88.8195,
107.4594)**

Conversions

Conversions Part 1

Format	Color
Hex	DFF6FF
RGB	223, 246, 255
RGB Percent	87%, 96%, 100%
CMY	0.1255, 0.0353, 0.0000
CMYK	0.13, 0.04, 0.00, 0.00
HSL	197°, 100%, 94%
HSV	197°, 13%, 100%
XYZ	81.4372, 88.8195, 107.4594
YIQ	240.1490, -16.5970, -2.0770

Conversions

Conversions Part 2

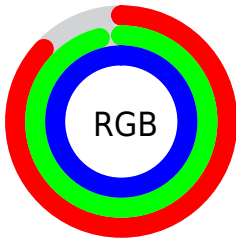
Format	Color
R_{YB}	223, 236, 255
Decimal	14677759
CIE _{Lab}	95.50, -5.73, -6.87
CIE _{LCh}	96, 8.949, 230.193
Yxy	88.8195, 0.2932, 0.3198
Android (android.graphics.Color)	4292867839 (0xFFDFF6FF)
YUV	240.1490, 7.3215, -15.0397
Hunter-Lab	94.2441, -10.6837, -1.6330

Details

The XYZ color **81.4372, 88.8195, 107.4594** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.4154, 84.2994, 81.6887**, and the grayscale version is **82.8969, 87.2140, 94.9760**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.7549, 49.2290, 60.5694** is the 20% darker color. If you saturate the color by 10%, you get **72.0266, 80.7959, 106.4067**, and if you desaturate by 10%, it is **92.1198, 97.6285, 108.5967**.

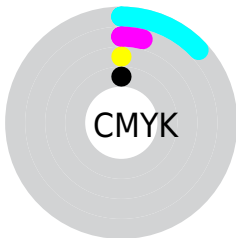
Distribution



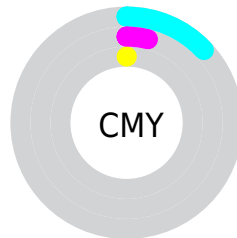
- Red (87%)
- Green (96%)
- Blue (100%)



- Red (87%)
- Yellow (93%)
- Blue (100%)



- Cyan (13%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.4372, 88.8195, 107.4594 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 81.4372, 88.8195, 107.4594 by changing the saturation by 10% instead.

81.4372, 88.8195,
107.4594

81.4372, 88.8195,
107.4594

488.4263,
524.1832, 605.3023

61.2143, 67.0020,
81.8931

134.3244,
145.6975, 173.5119

44.6513, 49.0862,
60.7422

167.7194,
181.5268, 214.8352

31.3830, 34.6879,
43.5879

206.2358,
222.7955, 262.2480

21.0439, 23.4225,
30.0119

250.2390,
269.8879, 316.1687

13.2687, 14.9058,
19.5955

300.0943,
323.1885, 377.0160

7.6921, 8.7533,
11.9202

356.1670,

3.9487, 4.5806,

383.0817, 445.2083

6.5675

418.8225,
449.9518, 521.1642

■ 1.6732, 2.0034,
3.1188

■ 0.4394, 0.6094,
1.1556

■ 81.4372, 88.8195,
107.4594

■ 81.4372, 88.8195,
107.4594

■ 72.0266, 80.7959,
106.4067

■ 92.1198, 97.6285,
108.5967

■ 63.8273, 73.5179,
105.4341

95.0500, 100.0000,
108.9000

■ 56.7840, 66.9580,
104.5391

■ 50.8341, 61.0824,
103.7186

■ 45.9089, 55.8543,
102.9690

■ 41.9310, 51.2322,
102.2866

■ 38.8116, 47.1689,
101.6667

■ 36.4431, 43.6074,
101.1041

■ 35.0492, 41.2183,
100.7164

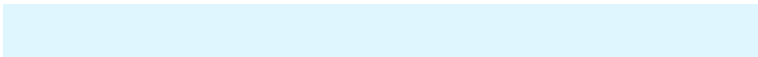
Harmonies

Analogous

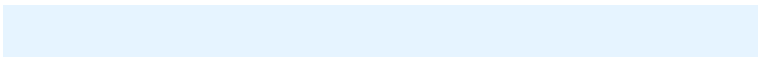
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.0714, 88.8195, 101.4464



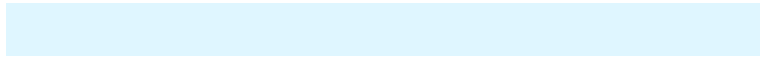
81.4372, 88.8195, 107.4594



83.6196, 88.8195, 110.6368

Triad

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



81.4372, 88.8195, 107.4594



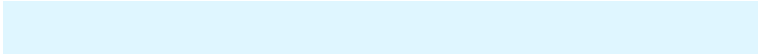
89.1527, 88.8195, 99.0279



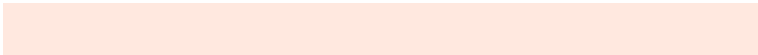
82.8030, 88.8195, 84.5801

Complementary

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



81.4372, 88.8195, 107.4594



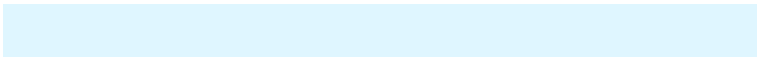
83.4154, 84.2994, 81.6887

Split Complementary

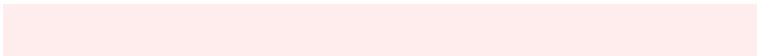
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.2260, 88.8195, 84.0027



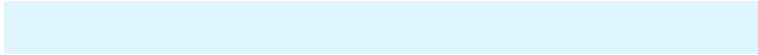
81.4372, 88.8195, 107.4594



88.9238, 88.8195, 92.1221

Square

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



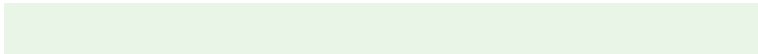
81.4372, 88.8195, 107.4594



88.0949, 88.8195, 105.6155



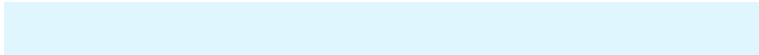
87.4753, 88.8195, 86.7012



80.8493, 88.8195, 88.3185

Rectangle

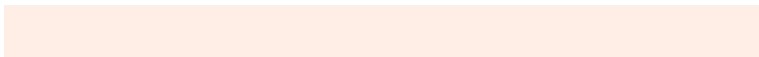
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.4372, 88.8195, 107.4594



85.2575, 88.8195, 110.6195



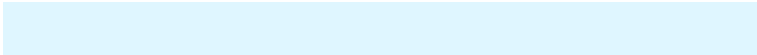
87.4753, 88.8195, 86.7012



83.5885, 88.8195, 84.0171

Sweetspot

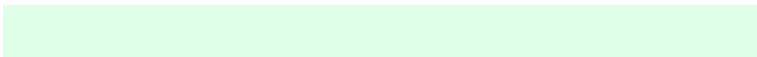
The Sweet Spot groups the original color and five complimentary colors.



81.4395, 88.8231, 107.4600



90.4885, 96.3007, 108.4264



80.6917, 93.0082, 89.6976



19.1897, 20.4665, 23.1890



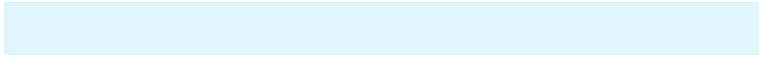
0.0000, 0.0000, 0.0000



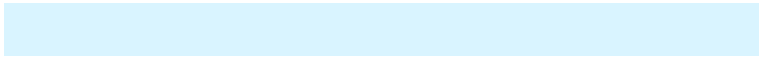
20.3446, 21.4041, 23.3091

Same Dimension

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



81.4395, 88.8231, 107.4600



79.0163, 86.7840, 107.1941



76.9095, 79.7631, 105.9500



18.0980, 19.5675, 23.0730



18.4468, 21.8031, 52.6708



1.8887, 2.3080, 5.1592

Inverse Universe

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



84.2637, 80.6908, 98.3267



82.3552, 77.3036, 96.3658



87.9839, 93.4364, 83.2115



18.5621, 18.2081, 21.5771



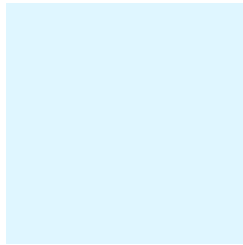
26.0993, 12.9290, 24.9710



2.5879, 1.2775, 2.6774

Previews

White Background



This preview shows how the XYZ color 81.4372, 88.8195, 107.4594 looks on a white background.

Color Contrast Check

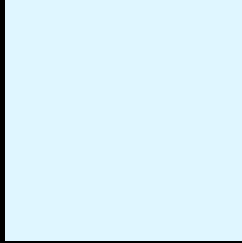
Large Text (above 18pt) WCAG AA × Fail

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 81.4372, 88.8195, 107.4594 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

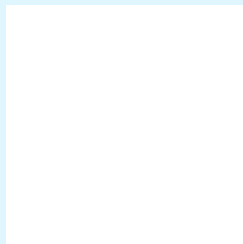
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.4372, 88.8195, 107.4594

Background



This preview shows how black text looks on a background with the XYZ color 81.4372, 88.8195, 107.4594.



This preview shows how white text looks on a background with the XYZ color 81.4372, 88.8195,

107.4594.

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

81.4372, 88.8195, 107.4594

Protanopia

85.6929, 88.4031, 104.6425

Deuteranopia

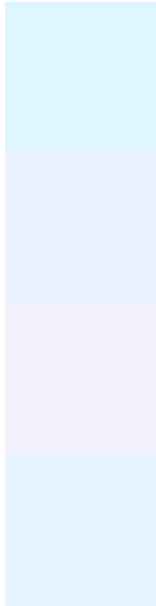
89.1248, 88.4067, 106.1327



Tritanopia

83.3793, 88.4770, 107.2909

Trichromacy



Original Color

81.4372, 88.8195, 107.4594

Protanomaly

84.0738, 88.4290, 105.5658

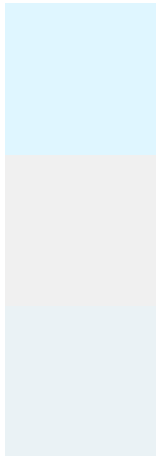
Deuteranomaly

86.0116, 88.5306, 106.3208

Tritanomaly

82.7138, 88.5794, 107.3458

Monochromacy



Original Color

81.4372, 88.8195, 107.4594

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.1652, 87.5893, 98.9620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.4372, 88.8195, 107.4594 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(223, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 246, 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(223, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 246, 255) }
```

Border

The CSS property to change the border of an element to XYZ 81.4372, 88.8195, 107.4594 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(223, 246, 255) }
```


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

```
.border{ border-color:rgb(223, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 246,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 81.4372, 88.8195, 107.4594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 246, 255) }
```

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

```
.background{ background-color: rgb(223,  
246, 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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