

Converting Colors

XYZ(83.0007, 90.7084,
111.1097)

Have a look what the booklet for
XYZ(83.0007, 90.7084, 111.1097)
contains.

XYZ(82.3571, 90.6593, 107.7661)	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(82.3571, 90.6593,
107.7661)**

Conversions

Conversions Part 1

Format	Color
Hex	DFF9FF
RGB	223, 249, 255
RGB Percent	87%, 98%, 100%
CMY	0.1255, 0.0235, 0.0000
CMYK	0.13, 0.02, 0.00, 0.00
HSL	191°, 100%, 94%
HSV	191°, 13%, 100%
XYZ	82.3571, 90.6593, 107.7661
YIQ	241.9100, -17.4220, -3.6460

Conversions

Conversions Part 2

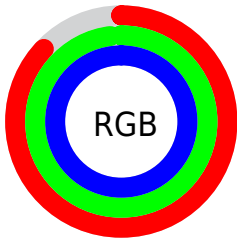
Format	Color
R _Y B	223, 237, 255
Decimal	14678527
CIE Lab	96.27, -7.24, -5.75
CIE LCh	96, 9.246, 218.421
Yxy	90.6593, 0.2933, 0.3229
Android (android.graphics.Color)	4292868607 (0xFFDFF9FF)
YUV	241.9100, 6.4534, -16.5841
Hunter-Lab	95.2152, -12.2316, -0.4548

Details

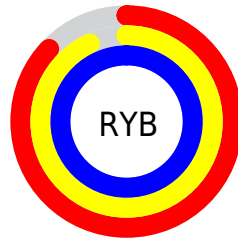
The XYZ color **82.3571, 90.6593, 107.7661** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.5781, 82.6248, 81.4095**, and the grayscale version is **84.2894, 88.6790, 96.5714**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.4115, 50.5420, 60.7882** is the 20% darker color. If you saturate the color by 10%, you get **73.6270, 83.9968, 106.9402**, and if you desaturate by 10%, it is **92.3126, 98.0142, 108.6610**.

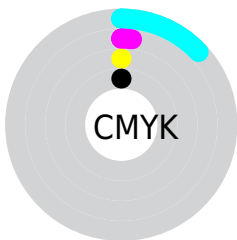
Distribution



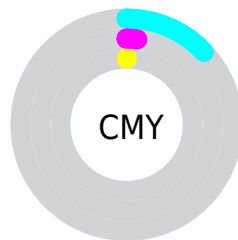
- Red (87%)
- Green (98%)
- Blue (100%)



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



- Cyan (13%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.3571, 90.6593, 107.7661 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 82.3571, 90.6593, 107.7661 by changing the saturation by 10% instead.

82.3571, 90.6593,
107.7661

82.3571, 90.6593,
107.7661

491.4578,
530.1732, 606.2729

61.9750, 68.5276,
82.1491

135.6079,
148.2539, 173.9340

45.2681, 50.3271,
60.9519

169.2073,
184.4855, 215.3219

31.8708, 35.6734,
43.7560

207.9432,
226.1859, 262.8038

21.4179, 24.1820,
30.1430

252.1810,
273.7395, 316.7983

13.5440, 15.4687,
19.6942

302.2860,
327.5306, 377.7239

7.8838, 9.1490,
11.9911

358.6236,

4.0718, 4.8385,

387.9436, 445.9992

6.6151

421.5590,
455.3630, 522.0427

■ 1.7429, 2.1528,
3.1478

■ 0.4829, 0.6941,
1.1706

■ 82.3571, 90.6593,
107.7661

■ 82.3571, 90.6593,
107.7661

■ 73.6270, 83.9968,
106.9402

■ 92.3126, 98.0142,
108.6610

■ 66.0623, 77.9880,
106.1791

95.0500, 100.0000,
108.9000

■ 59.6084, 72.6068,
105.4806

■ 54.2033, 67.8207,
104.8416

■ 49.7789, 63.5943,
104.2590

■ 46.2587, 59.8877,
103.7291

■ 43.5546, 56.6550,
103.2477

■ 41.5598, 53.8408,
102.8096

■ 40.4176, 51.9553,
102.5059

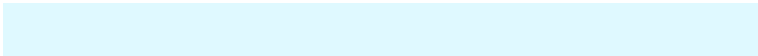
Harmonies

Analogous

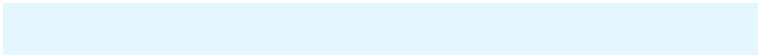
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.3750, 90.6593, 100.7985



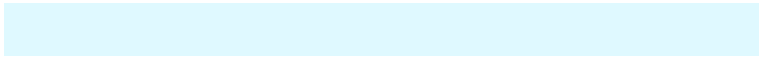
82.3571, 90.6593, 107.7661



84.3652, 90.6593, 112.4588

Triad

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



82.3571, 90.6593, 107.7661



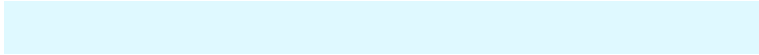
90.8438, 90.6593, 104.0067



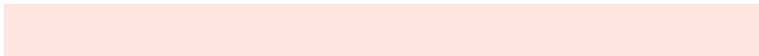
85.4477, 90.6593, 85.3711

Complementary

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



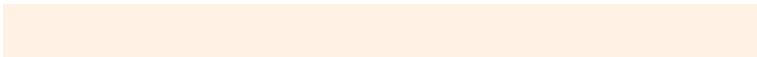
82.3571, 90.6593, 107.7661



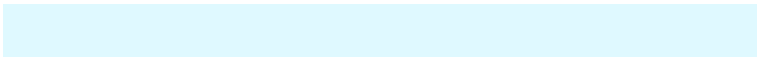
82.5781, 82.6248, 81.4095

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.



87.9982, 90.6593, 86.1348



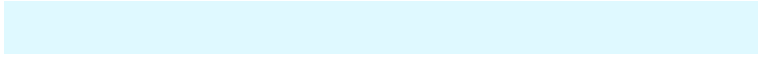
82.3571, 90.6593, 107.7661



91.1475, 90.6593, 96.6556

Square

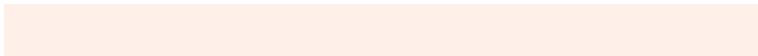
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.3571, 90.6593, 107.7661



89.2748, 90.6593, 110.2143



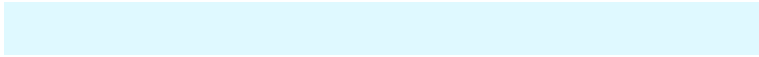
90.0966, 90.6593, 90.1808



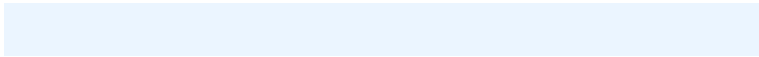
83.1360, 90.6593, 88.0402

Rectangle

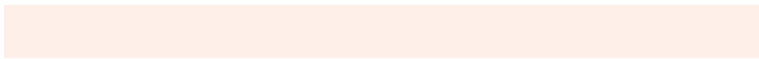
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.3571, 90.6593, 107.7661



86.0329, 90.6593, 113.5378



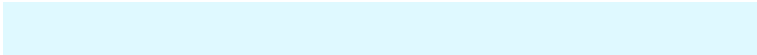
90.0966, 90.6593, 90.1808



86.3051, 90.6593, 85.2376

Sweetspot

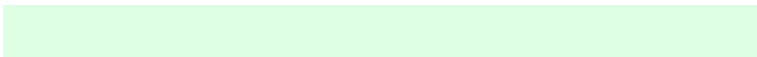
The Sweet Spot groups the original color and five complimentary colors.



82.3594, 90.6630, 107.7666



90.7898, 96.9033, 108.5268



80.3166, 92.8581, 87.7228



19.2661, 20.6194, 23.2145



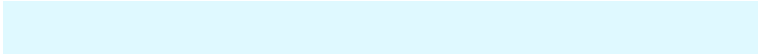
0.0000, 0.0000, 0.0000



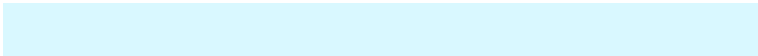
20.3446, 21.4041, 23.3091

Same Dimension

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



82.3594, 90.6630, 107.7666



80.1074, 88.9662, 107.5578



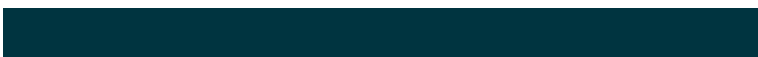
77.6593, 81.2626, 106.1999



18.2486, 19.8687, 23.1232



21.2228, 27.3552, 53.5961



2.1377, 2.8061, 5.2422

Inverse Universe

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



84.7280, 80.8765, 100.7719



82.9060, 77.5239, 99.2659



87.1719, 91.8124, 82.9408



18.6381, 18.2386, 21.9774



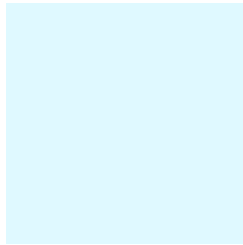
27.5005, 13.4895, 32.3497



2.7136, 1.3278, 3.3393

Previews

White Background



This preview shows how the XYZ color 82.3571, 90.6593, 107.7661 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 82.3571, 90.6593, 107.7661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

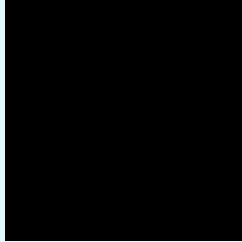
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.3571, 90.6593, 107.7661

Background



This preview shows how black text looks on a background with the XYZ color 82.3571, 90.6593, 107.7661.

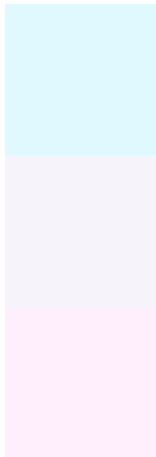


This preview shows how white text looks on a background with the XYZ color 82.3571, 90.6593,

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

82.3571, 90.6593, 107.7661

Protanopia

87.4692, 90.6590, 104.1556

Deuteranopia

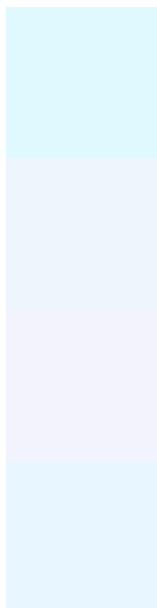
89.8361, 90.0849, 105.5817



Tritanopia

84.9634, 90.1870, 107.5375

Trichromacy



Original Color

82.3571, 90.6593, 107.7661

Protanomaly

85.4830, 90.5102, 105.0602

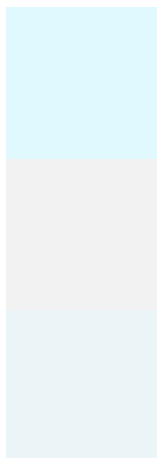
Deuteranomaly

86.9021, 90.3116, 106.6176

Tritanomaly

83.9608, 90.1205, 107.5775

Monochromacy



Original Color

82.3571, 90.6593, 107.7661

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

83.7019, 89.6824, 100.8946

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.3571, 90.6593, 107.7661 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, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 249, 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, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 249, 255) }
```

Border

The CSS property to change the border of an element to XYZ 82.3571, 90.6593, 107.7661 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, 249, 255) }
```


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

```
.border{ border-color:rgb(223, 249, 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, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 249,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 82.3571, 90.6593, 107.7661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 249, 255) }
```

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

```
.background{ background-color: rgb(223,  
249, 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](#).

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