

Converting Colors

XYZ(81.2432, 90.1056,
107.7179)

Have a look what the booklet for
XYZ(81.2432, 90.1056, 107.7179)
contains.

XYZ(81.1391, 90.0314, 107.7091)	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(81.1391, 90.0314,
107.7091)**

Conversions

Conversions Part 1	
Format	Color
Hex	DBF9FF
RGB	219, 249, 255
RGB Percent	86%, 98%, 100%
CMY	0.1412, 0.0235, 0.0000
CMYK	0.14, 0.02, 0.00, 0.00
HSL	190°, 100%, 93%
HSV	190°, 14%, 100%
XYZ	81.1391, 90.0314, 107.7091
YIQ	240.7140, -19.8060, -4.4940

Conversions

Conversions Part 2

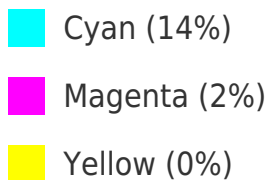
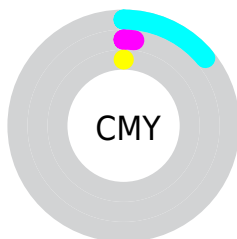
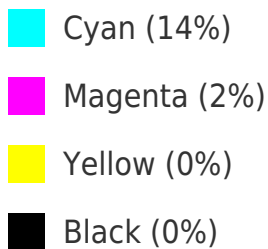
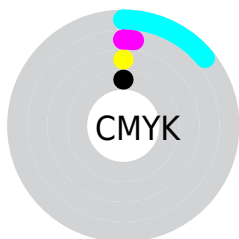
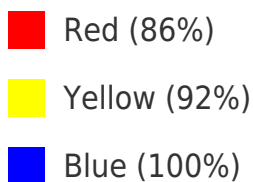
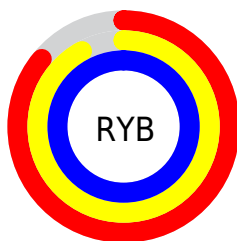
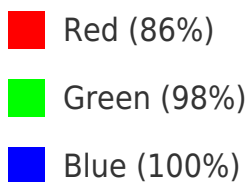
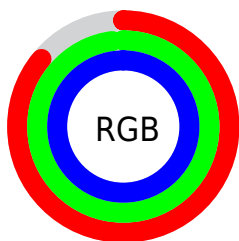
Format	Color
RYB	219, 235, 255
Decimal	14416383
CIELab	96.01, -8.49, -6.16
CIELCh	96, 10.485, 215.970
Yxy	90.0314, 0.2909, 0.3228
Android (android.graphics.Color)	4292606463 (0xFFDBF9FF)
YUV	240.7140, 7.0430, -19.0432
Hunter-Lab	94.8849, -13.4075, -0.8840

Details

The XYZ color **81.1391, 90.0314, 107.7091** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.9510, 80.2235, 78.2376**, and the grayscale version is **83.3438, 87.6842, 95.4881**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.5728, 50.1097, 60.7490** is the 20% darker color. If you saturate the color by 10%, you get **72.7501, 83.7825, 106.9450**, and if you desaturate by 10%, it is **90.7376, 96.9528, 108.5391**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 81.1391, 90.0314, 107.7091 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 81.1391, 90.0314, 107.7091 by changing the saturation by 10% instead.

 81.1391, 90.0314,
107.7091

 81.1391, 90.0314,
107.7091


487.4417,
528.1330, 606.0925

 60.9679, 68.0067,
82.1015


133.9082,
147.3820, 173.8555

 44.4517, 49.9032,
60.9129


167.2368,
183.4767, 215.2314

 31.2252, 35.3365,
43.7248


205.6818,
225.0302, 262.7005

 20.9230, 23.9222,
30.1186

249.6087,
272.4268, 316.6813

 13.1799, 15.2759,
19.6758

299.3828,
326.0510, 377.5924

 7.6304, 9.0132,
11.9779

355.3694,

 3.9092, 4.7498,

386.2872, 445.8523

6.6063

417.9339,
453.5197, 521.8795

■ 1.6509, 2.1012,
3.1424

■ 0.4252, 0.6653,
1.1678

■ 81.1391, 90.0314,
107.7091

■ 81.1391, 90.0314,
107.7091

■ 72.7501, 83.7825,
106.9450

■ 90.7376, 96.9528,
108.5391

■ 65.5100, 78.1672,
106.2428

95.0500, 100.0000,
108.9000

■ 59.3637, 73.1592,
105.6001

■ 54.2484, 68.7259,
105.0140

■ 50.0949, 64.8313,
104.4812

■ 46.8253, 61.4350,
103.9979

■ 44.3491, 58.4900,
103.5600

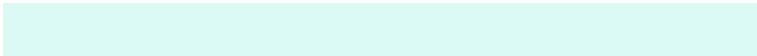
■ 42.5557, 55.9390,
103.1621

■ 41.7272, 54.5744,
102.9424

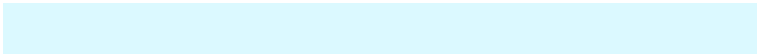
Harmonies

Analogous

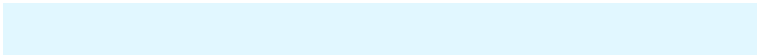
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1464, 90.0314, 99.6990



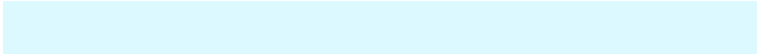
81.1391, 90.0314, 107.7091



83.3220, 90.0314, 113.3463

Triad

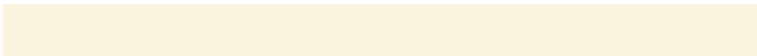
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.1391, 90.0314, 107.7091



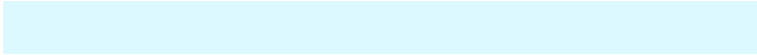
90.7656, 90.0314, 104.6752



84.9936, 90.0314, 82.9914

Complementary

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



81.1391, 90.0314, 107.7091



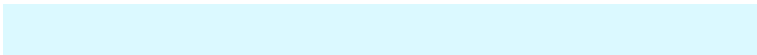
80.9510, 80.2235, 78.2376

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.



87.8624, 90.0314, 84.1576



81.1391, 90.0314, 107.7091



91.2374, 90.0314, 96.3775

Square

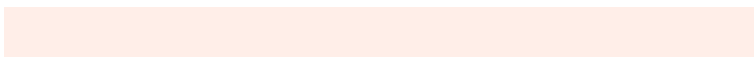
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



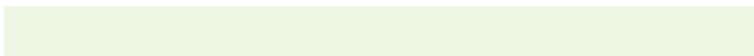
81.1391, 90.0314, 107.7091



88.8886, 90.0314, 111.5266



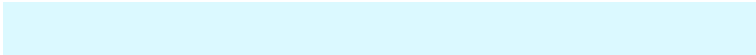
90.1638, 90.0314, 88.9468



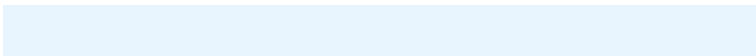
82.3392, 90.0314, 85.6666

Rectangle

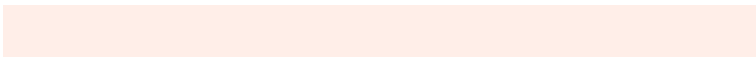
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.1391, 90.0314, 107.7091



85.1810, 90.0314, 114.8336



90.1638, 90.0314, 88.9468



85.9645, 90.0314, 82.9492

Sweetspot

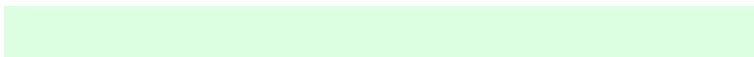
The Sweet Spot groups the original color and five complimentary colors.



81.1414, 90.0350, 107.7096



90.8569, 97.0375, 108.5492



78.4833, 91.9841, 84.4254



19.2832, 20.6534, 23.2201



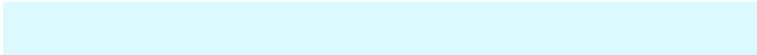
0.0000, 0.0000, 0.0000



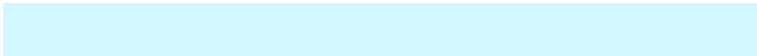
20.3446, 21.4041, 23.3091

Same Dimension

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



81.1414, 90.0350, 107.7096



78.6006, 88.1652, 107.4826



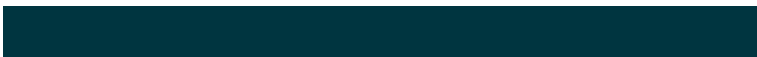
76.0087, 79.7696, 105.9987



18.2822, 19.9361, 23.1344



21.8986, 28.7069, 53.8214



2.1975, 2.9257, 5.2622

Inverse Universe

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



83.6718, 78.7642, 100.4198



81.6054, 74.9359, 98.7917



85.8981, 90.1177, 79.8867



18.6551, 18.2454, 22.0669



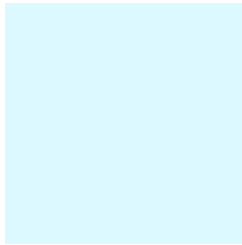
27.8416, 13.6259, 34.1461



2.7438, 1.3399, 3.4983

Previews

White Background



This preview shows how the XYZ color 81.1391, 90.0314, 107.7091 looks on a white background.

Color Contrast Check

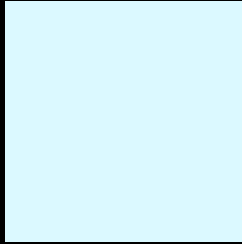
Large Text (above 18pt) WCAG AA × Fail

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 81.1391, 90.0314, 107.7091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

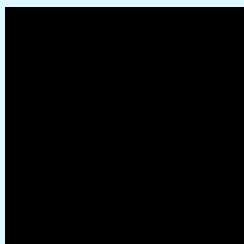
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

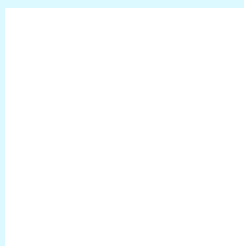
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.1391, 90.0314, 107.7091

Background



This preview shows how black text looks on a background with the XYZ color 81.1391, 90.0314, 107.7091.



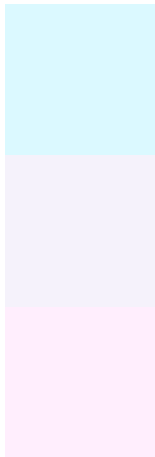
This preview shows how white text looks on a background with the XYZ color 81.1391, 90.0314,

107.7091.

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

81.1391, 90.0314, 107.7091

Protanopia

86.8209, 89.8818, 104.0398

Deuteranopia

89.5442, 89.5009, 105.4844



Tritanopia

84.3067, 89.8485, 107.5068

Trichromacy

	Original Color 81.1391, 90.0314, 107.7091
	Protanomaly 84.8152, 90.1660, 105.0290
	Deuteranomaly 86.2595, 89.5373, 106.5020
	Tritanomaly 83.0007, 89.6255, 107.5326

Monochromacy

	Original Color 81.1391, 90.0314, 107.7091
	Achromatopsia 83.6081, 87.9622, 95.7909
	Achromatomaly 82.5895, 88.6788, 99.9526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.1391, 90.0314, 107.7091 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(219, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 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(219, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 249, 255) }
```

Border

The CSS property to change the border of an element to XYZ 81.1391, 90.0314, 107.7091 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(219, 249, 255) }
```


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

```
.border{ border-color:rgb(219, 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(219, 249, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 249,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 81.1391, 90.0314, 107.7091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 249, 255) }
```

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

```
.background{ background-color: rgb(219,  
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