

Converting Colors

XYZ(108.9537, 100.0000,
277.4451)

Have a look what the booklet for
XYZ(108.9537, 100.0000, 277.4451)
contains.

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Color

**XYZ(76.7942, 87.3339,
107.4174)**

Conversions

Conversions Part 1

Format	Color
Hex	CDF8FF
RGB	205, 248, 255
RGB Percent	80%, 97%, 100%
CMY	0.1961, 0.0274, 0.0000
CMYK	0.20, 0.03, 0.00, 0.00
HSL	188°, 100%, 90%
HSV	188°, 20%, 100%
XYZ	76.7942, 87.3339, 107.4174
YIQ	235.9410, -27.8750, -6.9390

Conversions

Conversions Part 2

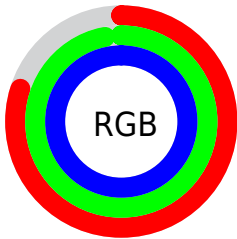
Format	Color
R _Y B	205, 228, 255
Decimal	13498623
CIE Lab	94.88, -12.24, -7.93
CIE LCh	95, 14.580, 212.934
Yxy	87.3339, 0.2828, 0.3216
Android (android.graphics.Color)	4291688703 (0xFFCDF8FF)
YUV	235.9410, 9.3961, -27.1353
Hunter-Lab	93.4526, -16.8606, -2.7330

Details

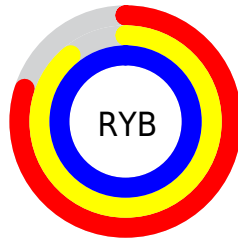
The XYZ color **76.7942, 87.3339, 107.4174** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.8026, 72.7537, 67.8069**, and the grayscale version is **79.6312, 83.7783, 91.2345**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6204, 48.2605, 60.5477** is the 20% darker color. If you saturate the color by 10%, you get **69.2392, 81.8286, 106.7529**, and if you desaturate by 10%, it is **85.5210, 93.4789, 108.1435**.

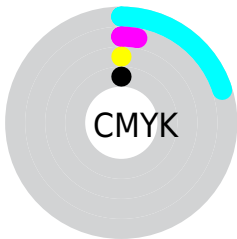
Distribution



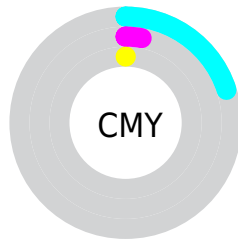
- Red (80%)
- Green (97%)
- Blue (100%)



- Red (80%)
- Yellow (89%)
- Blue (100%)



- Cyan (20%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.7942, 87.3339, 107.4174 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 76.7942, 87.3339, 107.4174 by changing the saturation by 10% instead.

76.7942, 87.3339,
107.4174

76.7942, 87.3339,
107.4174

472.9648,
519.3194, 605.1693

57.3833, 65.7716,
81.8581

127.8233,
143.6294, 173.4541

41.5544, 48.0870,
60.7134

160.1723,
179.1314, 214.7686

28.9421, 33.8958,
43.5649

197.5646,
220.0488, 262.1719

19.1811, 22.8135,
29.9939

240.3657,
266.7659, 316.0825

11.9060, 14.4559,
19.5820

288.9409,
319.6671, 376.9190

6.7514, 8.4384,
11.9105

343.6556,

3.3521, 4.3767,

379.1368, 445.1000

6.5610

404.8751,
445.5595, 521.0439

■ 1.3426, 1.8865,
3.1148

■ 0.2147, 0.5402,
1.1536

■ 76.7942, 87.3339,
107.4174

■ 76.7942, 87.3339,
107.4174

■ 69.2392, 81.8286,
106.7529

■ 85.5210, 93.4789,
108.1435

■ 62.7937, 76.9237,
106.1459

95.0500, 100.0000,
108.9000

■ 57.3996, 72.5917,
105.5941

■ 52.9911, 68.7982,
105.0942

■ 49.4945, 65.5052,
104.6429

■ 46.8259, 62.6692,
104.2361

■ 44.8850, 60.2384,
103.8692

■ 43.5152, 58.1318,
103.5348

■ 43.4660, 58.0520,
103.5220

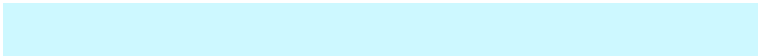
Harmonies

Analogous

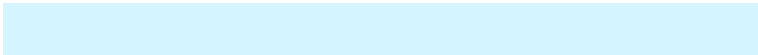
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.6503, 87.3339, 96.2098



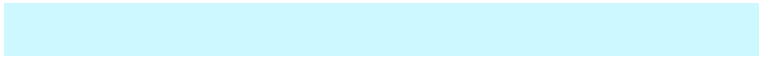
76.7942, 87.3339, 107.4174



79.5994, 87.3339, 115.8110

Triad

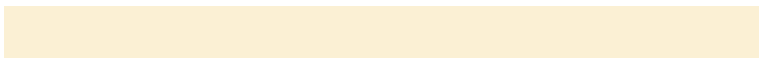
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.7942, 87.3339, 107.4174



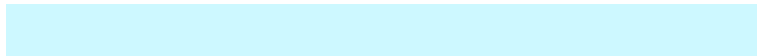
89.9584, 87.3339, 105.3388



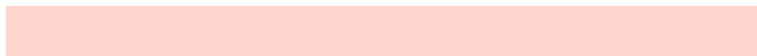
82.6200, 87.3339, 74.9767

Complementary

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



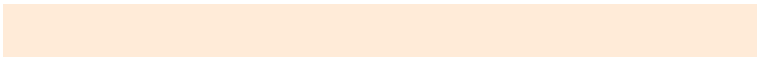
76.7942, 87.3339, 107.4174



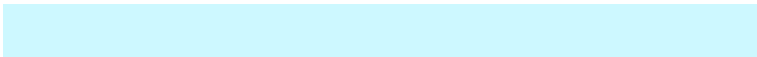
75.8026, 72.7537, 67.8069

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.



86.5131, 87.3339, 77.0039



76.7942, 87.3339, 107.4174



90.8285, 87.3339, 93.9825

Square

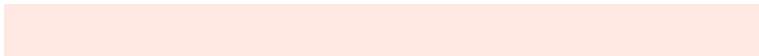
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.7942, 87.3339, 107.4174



87.2073, 87.3339, 114.5456



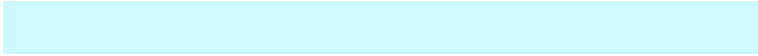
89.5488, 87.3339, 83.7470



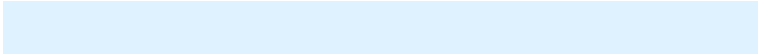
78.9462, 87.3339, 77.9755

Rectangle

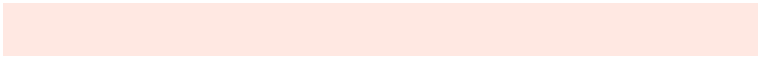
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



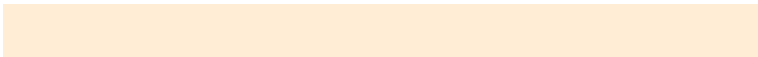
76.7942, 87.3339, 107.4174



82.0773, 87.3339, 118.3584



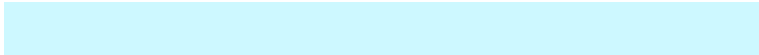
89.5488, 87.3339, 83.7470



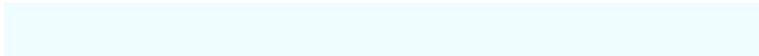
83.9462, 87.3339, 75.0935

Sweetspot

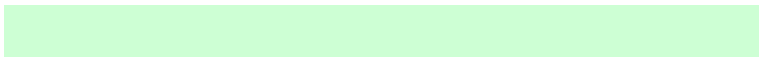
The Sweet Spot groups the original color and five complimentary colors.



76.7965, 87.3374, 107.4179



88.9643, 95.8546, 108.4206



72.7795, 89.2363, 75.4570



18.9060, 20.4234, 23.1956



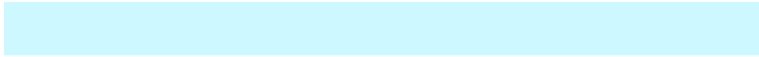
0.0000, 0.0000, 0.0000



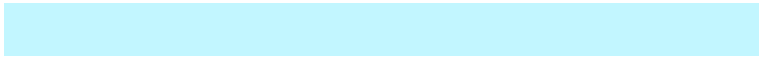
20.3446, 21.4041, 23.3091

Same Dimension

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



76.7965, 87.3374, 107.4179



73.3359, 84.8410, 107.1185



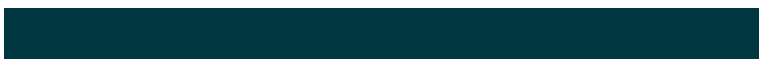
69.7048, 73.1540, 105.0540



18.3255, 20.0225, 23.1488



22.7953, 30.5002, 54.1203



2.2765, 3.0837, 5.2885

Inverse Universe

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



80.0160, 71.7015, 98.4335



77.1891, 66.4353, 96.2964



82.4478, 86.0440, 70.0219



18.6769, 18.2541, 22.1818



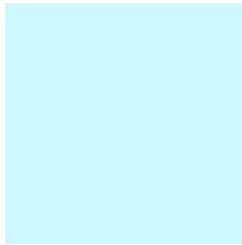
28.2942, 13.8070, 36.5294



2.7837, 1.3558, 3.7082

Previews

White Background



This preview shows how the XYZ color 76.7942, 87.3339, 107.4174 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 76.7942, 87.3339, 107.4174 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 76.7942, 87.3339, 107.4174

Background



This preview shows how black text looks on a background with the XYZ color 76.7942, 87.3339, 107.4174.



This preview shows how white text looks on a background with the XYZ color 76.7942, 87.3339,

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

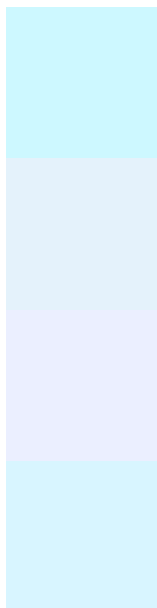




Tritanopia

80.2248, 86.8508, 107.1433

Trichromacy



Original Color

76.7942, 87.3339, 107.4174

Protanomaly

81.1596, 86.9633, 103.7748

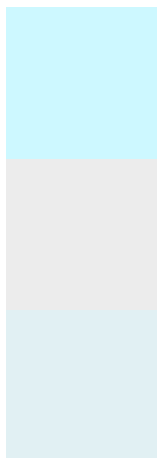
Deuteranomaly

83.1775, 86.6152, 106.9422

Tritanomaly

79.0213, 87.1237, 107.2594

Monochromacy



Original Color

76.7942, 87.3339, 107.4174

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

78.3891, 84.7988, 97.0303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7942, 87.3339, 107.4174 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(205, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 248, 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(205, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 248, 255) }
```

Border

The CSS property to change the border of an element to XYZ 76.7942, 87.3339, 107.4174 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(205, 248, 255) }
```


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

```
.border{ border-color:rgb(205, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 248,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7942, 87.3339, 107.4174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 248, 255) }
```

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

```
.background{ background-color: rgb(205,  
248, 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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