

Converting Colors

XYZ(76.8130, 87.0685,
100.8400)

Have a look what the booklet for
XYZ(76.8130, 87.0685, 100.8400)
contains.

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Color

**XYZ(76.9132, 87.0858,
100.7512)**

Conversions

Conversions Part 1

Format	Color
Hex	D3F7F7
RGB	211, 247, 247
RGB Percent	83%, 97%, 97%
CMY	0.1725, 0.0314, 0.0314
CMYK	0.15, 0.00, 0.00, 0.03
HSL	180°, 69%, 90%
HSV	180°, 15%, 97%
XYZ	76.9132, 87.0858, 100.7512
YIQ	236.2360, -21.4560, -7.6320

Conversions

Conversions Part 2

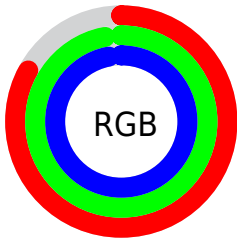
Format	Color
R _Y B	211, 229, 247
Decimal	13891575
CIE Lab	94.77, -11.54, -3.90
CIE LCh	95, 12.185, 198.672
Yxy	87.0858, 0.2905, 0.3289
Android (android.graphics.Color)	4292081655 (0xFFD3F7F7)
YUV	236.2360, 5.3067, -22.1320
Hunter-Lab	93.3198, -16.1917, 1.3123

Details

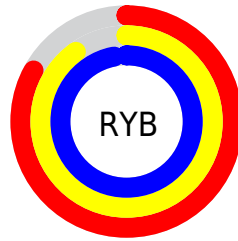
The XYZ color **76.9132, 87.0858, 100.7512** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.4130, 71.0681, 71.4799**, and the grayscale version is **79.8840, 84.0442, 91.5241**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7451, 48.0911, 56.3725** is the 20% darker color. If you saturate the color by 10%, you get **70.3738, 83.7170, 100.4451**, and if you desaturate by 10%, it is **84.5449, 91.0224, 101.1121**.

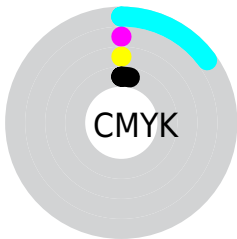
Distribution



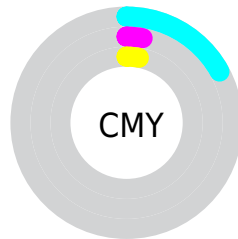
- Red (83%)
- Green (97%)
- Blue (97%)



- Red (83%)
- Yellow (90%)
- Blue (97%)



- Cyan (15%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)



- Cyan (17%)
- Magenta (3%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.9132, 87.0858, 100.7512 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 76.9132, 87.0858, 100.7512 by changing the saturation by 10% instead.

76.9132, 87.0858,
100.7512

76.9132, 87.0858,
100.7512

473.3645,
518.5048, 583.8657

57.4813, 65.5662,
76.3077

127.9904,
143.2837, 164.2500

41.6334, 47.9203,
56.1767

160.3665,
178.7309, 204.1423

29.0042, 33.7638,
39.9396

197.7880,
219.5893, 250.0214

19.2283, 22.7122,
27.1781

240.6203,
266.2434, 302.3056

11.9404, 14.3812,
17.4734

289.2287,
319.0776, 361.4136

6.7750, 8.3862,
10.4071

343.9787,

3.3669, 4.3431,

378.4763, 427.7639

5.5606

405.2355,
444.8239, 501.7751

■ 1.3506, 1.8673,
2.5153

■ 0.2206, 0.5286,
0.8483

■ 76.9132, 87.0858,
100.7512

■ 76.9132, 87.0858,
100.7512

■ 70.3738, 83.7170,
100.4451

■ 84.5449, 91.0224,
101.1121

■ 64.8698, 80.8796,
100.1856

■ 91.2918, 94.5005,
101.4297

■ 60.3503, 78.5497,
99.9722

■ 91.2922, 94.5006,
101.4317

■ 56.7572, 76.6975,
99.8022

■ 91.2926, 94.5008,
101.4336

■ 54.0266, 75.2898,
99.6725

■ 91.2929, 94.5009,
101.4355

■ 52.0860, 74.2895,
99.5797

■ 91.2933, 94.5011,
101.4374

■ 50.8515, 73.6531,
99.5201

■ 91.2937, 94.5012,
101.4393

■ 50.2201, 73.3277,
99.4886

■ 91.2940, 94.5014,
101.4412

■ 50.0480, 73.2390,
99.4795

■ 91.2944, 94.5015,
101.4432

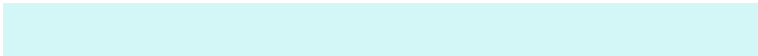
Harmonies

Analogous

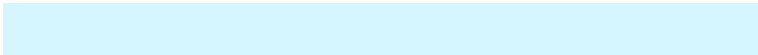
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.7133, 87.0858, 91.3014



76.9132, 87.0858, 100.7512



78.6580, 87.0858, 109.1130

Triad

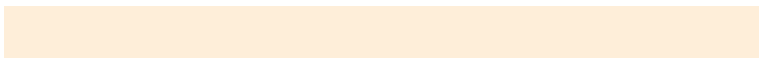
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.9132, 87.0858, 100.7512



87.6227, 87.0858, 107.3179



84.0234, 87.0858, 78.1172

Complementary

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



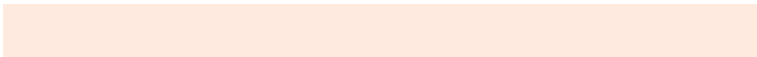
76.9132, 87.0858, 100.7512



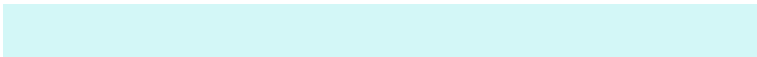
73.4130, 71.0681, 71.4799

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.



87.0279, 87.0858, 81.8360



76.9132, 87.0858, 100.7512



89.1425, 87.0858, 98.4312

Square

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



76.9132, 87.0858, 100.7512



84.8178, 87.0858, 113.0744



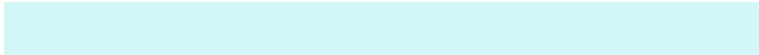
88.9219, 87.0858, 89.1294



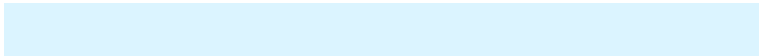
80.7603, 87.0858, 78.6471

Rectangle

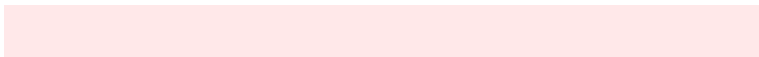
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



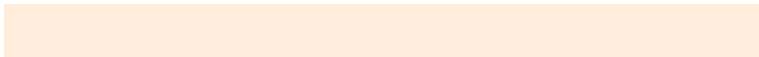
76.9132, 87.0858, 100.7512



80.4891, 87.0858, 112.7512



88.9219, 87.0858, 89.1294



85.0986, 87.0858, 78.9013

Sweetspot

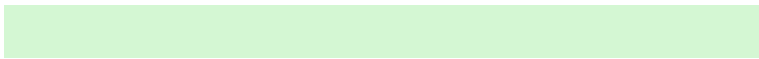
The Sweet Spot groups the original color and five complimentary colors.



76.9157, 87.0894, 100.7531



91.3963, 98.1165, 108.7282



72.0573, 85.1660, 74.2703



19.4202, 20.9276, 23.2656



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

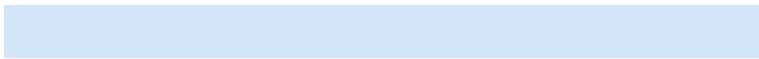
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.9157, 87.0894, 100.7531



80.8599, 92.6848, 108.2324



71.8406, 76.9382, 99.0640



16.9967, 18.7578, 21.2670



26.4675, 38.7318, 52.6091



2.3263, 3.4042, 4.6239

Inverse Universe

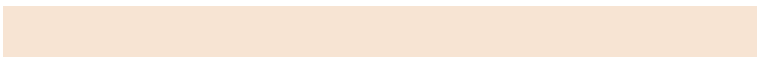
The Inverse Universe completely reimagines the original color for something new.



73.4130, 71.0681, 71.4799



76.5362, 72.9082, 72.0976



77.9723, 80.1875, 72.9976



16.4993, 16.4826, 17.1097



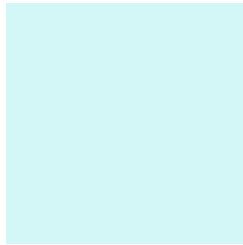
20.2863, 10.4579, 0.9499



1.7830, 0.9192, 0.0836

Previews

White Background



This preview shows how the XYZ color 76.9132, 87.0858, 100.7512 looks on a white background.

Color Contrast Check

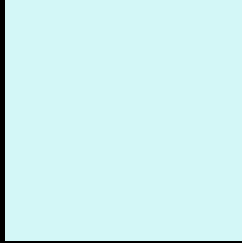
Large Text (above 18pt) WCAG AA × Fail

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 76.9132, 87.0858, 100.7512 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 76.9132, 87.0858, 100.7512

Background



This preview shows how black text looks on a background with the XYZ color 76.9132, 87.0858, 100.7512.

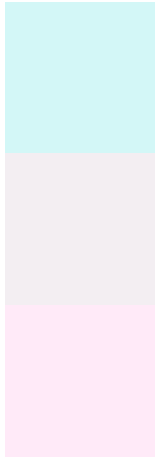


This preview shows how white text looks on a background with the XYZ color 76.9132, 87.0858,

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

76.9132, 87.0858, 100.7512

Protanopia

83.5637, 86.6146, 96.3184

Deuteranopia

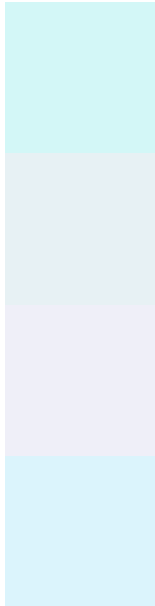
87.6061, 86.8829, 100.9597



Tritanopia

80.8411, 87.1685, 107.1722

Trichromacy



Original Color

76.9132, 87.0858, 100.7512

Protanomaly

80.7394, 86.4312, 98.0154

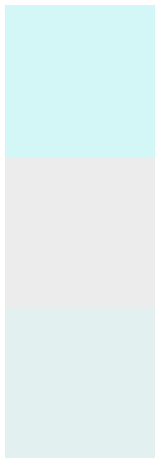
Deuteranomaly

83.4064, 86.8610, 101.1768

Tritanomaly

79.1348, 86.7897, 104.6767

Monochromacy



Original Color

76.9132, 87.0858, 100.7512

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

78.5668, 84.9423, 94.6927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.9132, 87.0858, 100.7512 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(211, 247, 247)` looks like.

```
.text, #text, p{  
    color:rgb(211, 247, 247)  
}
```

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(211, 247, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 247, 247) }
```

Border

The CSS property to change the border of an element to XYZ 76.9132, 87.0858, 100.7512 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(211, 247, 247) }
```


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

```
.border{ border-color:rgb(211, 247, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 247, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 247, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 247, 247);  
box-shadow:4px 4px 4px 4px rgb(211, 247,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 76.9132, 87.0858, 100.7512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 247, 247) }
```

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

```
.background{ background-color: rgb(211,  
247, 247) }
```

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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