

Converting Colors

XYZ(76.0038, 89.3850,
101.2472)

Have a look what the booklet for
XYZ(76.0038, 89.3850, 101.2472)
contains.

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Color

**XYZ(76.0012, 89.3835,
101.2427)**

Conversions

Conversions Part 1

Format	Color
Hex	C9FDF7
RGB	201, 253, 247
RGB Percent	79%, 99%, 97%
CMY	0.2118, 0.0078, 0.0314
CMYK	0.21, 0.00, 0.02, 0.01
HSL	173°, 93%, 89%
HSV	173°, 21%, 99%
XYZ	76.0012, 89.3835, 101.2427
YIQ	236.7680, -29.0660, -12.8900

Conversions

Conversions Part 2

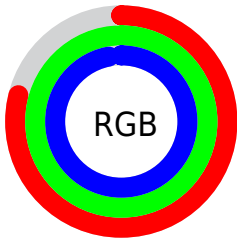
Format	Color
R _Y B	201, 229, 253
Decimal	13237751
CIE Lab	95.74, -17.56, -2.55
CIE LCh	96, 17.740, 188.272
Yxy	89.3835, 0.2850, 0.3352
Android (android.graphics.Color)	4291427831 (0xFFC9FDF7)
YUV	236.7680, 5.0444, -31.3685
Hunter-Lab	94.5428, -21.9572, 2.6884

Details

The XYZ color **76.0012, 89.3835, 101.2427** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.6604, 67.1634, 68.1696**, and the grayscale version is **80.2984, 84.4802, 91.9989**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.9980, 49.3524, 56.6554** is the 20% darker color. If you saturate the color by 10%, you get **69.3055, 85.9858, 98.5965**, and if you desaturate by 10%, it is **83.8293, 93.3689, 103.9825**.

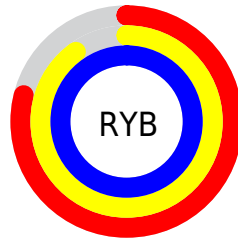
Distribution



Red (79%)

Green (99%)

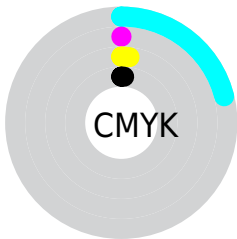
Blue (97%)



Red (79%)

Yellow (90%)

Blue (99%)

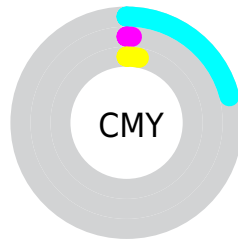


Cyan (21%)

Magenta (0%)

Yellow (2%)

Black (1%)



Cyan (21%)


Magenta (1%)

Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.0012, 89.3835, 101.2427 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 76.0012, 89.3835, 101.2427 by changing the saturation by 10% instead.


 76.0012, 89.3835,
101.2427

 76.0012, 89.3835,
101.2427


470.2961,
526.0234, 585.4503

 56.7305, 67.4694,
76.7161

126.7090,
146.4818, 164.9306

 41.0282, 49.4662,
56.5097


158.8768,
182.4347, 204.9291

 28.5289, 34.9895,
40.2050


196.0743,
223.8361, 250.9219

 18.8672, 23.6548,
27.3834

238.6670,
271.0704, 303.3276

 11.6778, 15.0777,
17.6264

287.0202,
324.5218, 362.5647

 6.5953, 8.8739,
10.5155

341.4992,

 3.2544, 4.6591,

384.5748, 429.0519

5.6320

402.4694,
451.6139, 503.2075

■ 1.2897, 2.0486,
2.5575

■ 0.1755, 0.6355,
0.8704

■ 76.0012, 89.3835,
101.2427

■ 76.0012, 89.3835,
101.2427

■ 69.3055, 85.9858,
98.5965

■ 83.8293, 93.3689,
103.9825

■ 63.6797, 83.1364,
96.0352

■ 92.8331, 97.9572,
106.8125

■ 59.0669, 80.8085,
93.5578

■ 94.4169, 98.7338,
108.6890

■ 55.4019, 78.9684,
91.1612

■ 52.6117, 77.5784,
88.8417

■ 50.6127, 76.5956,
86.5952

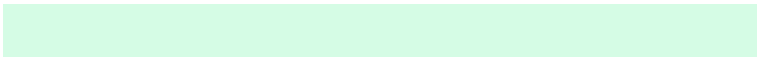
■ 49.3051, 75.9683,
84.4170

■ 48.5539, 75.6246,
82.4148

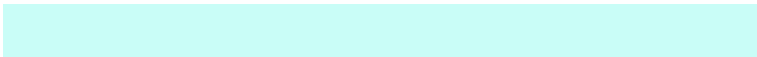
Harmonies

Analogous

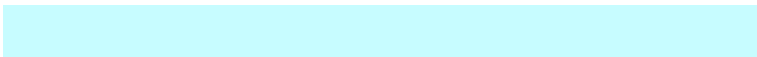
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.5310, 89.3835, 87.7061



76.0012, 89.3835, 101.2427



77.7976, 89.3835, 114.9432

Triad

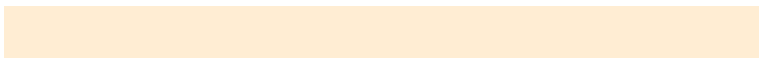
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.0012, 89.3835, 101.2427



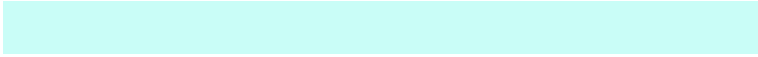
90.9044, 89.3835, 119.9925



88.4792, 89.3835, 74.4245

Complementary

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



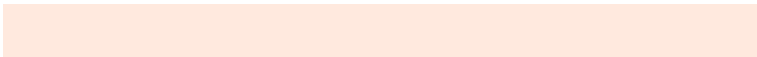
76.0012, 89.3835, 101.2427



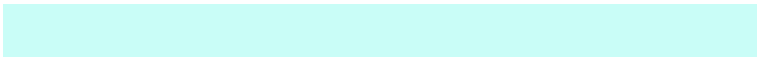
72.6604, 67.1634, 68.1696

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.



92.5413, 89.3835, 81.6031



76.0012, 89.3835, 101.2427



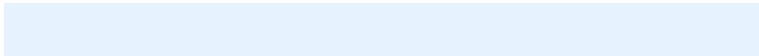
93.9784, 89.3835, 107.6193

Square

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



76.0012, 89.3835, 101.2427



86.3140, 89.3835, 126.4261



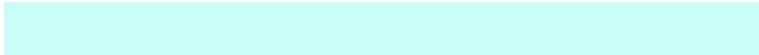
94.5887, 89.3835, 93.5066



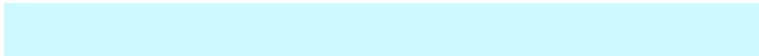
83.6130, 89.3835, 73.0693

Rectangle

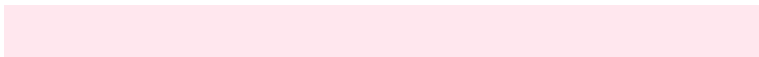
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



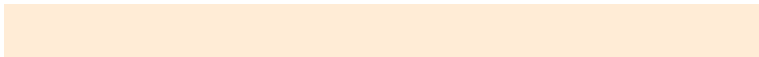
76.0012, 89.3835, 101.2427



80.1147, 89.3835, 122.0277



94.5887, 89.3835, 93.5066



89.9893, 89.3835, 76.2010

Sweetspot

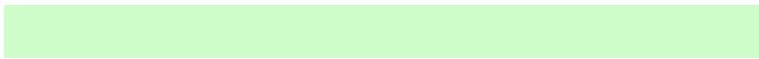
The Sweet Spot groups the original color and five complimentary colors.



76.0038, 89.3872, 101.2447



89.3603, 97.0996, 107.1561



71.4214, 87.7464, 68.4324



18.9999, 20.7187, 22.8956



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

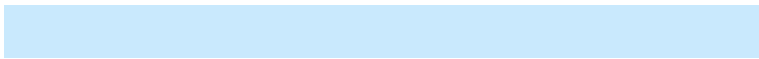
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.0038, 89.3872, 101.2447



74.1963, 89.3838, 101.8570



70.9775, 77.8280, 104.2142



18.4592, 20.4432, 22.7212



25.8629, 40.2418, 44.0248



2.5427, 3.9280, 4.4158

Inverse Universe

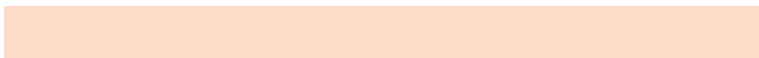
The Inverse Universe completely reimagines the original color for something new.



72.6604, 67.1634, 68.1696



70.1889, 62.7361, 62.2054



76.8926, 76.7804, 66.0274



18.0946, 18.0212, 19.1155



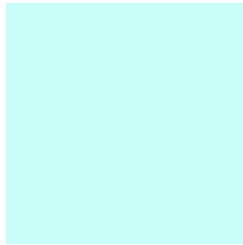
21.6944, 11.1670, 1.7751



2.1385, 1.0978, 0.3105

Previews

White Background



This preview shows how the XYZ color 76.0012, 89.3835, 101.2427 looks on a white background.

Color Contrast Check

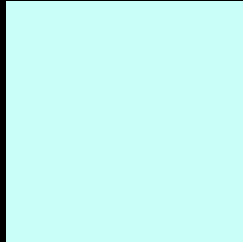
Large Text (above 18pt) WCAG AA × Fail

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 76.0012, 89.3835, 101.2427 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 76.0012, 89.3835, 101.2427

Background



This preview shows how black text looks on a background with the XYZ color 76.0012, 89.3835, 101.2427.

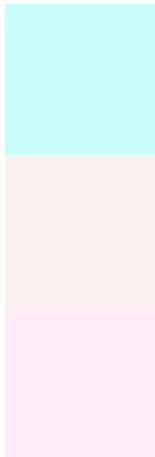


This preview shows how white text looks on a background with the XYZ color 76.0012, 89.3835,

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

76.0012, 89.3835, 101.2427

Protanopia

85.5412, 88.9760, 95.1037

Deuteranopia

88.4675, 88.6057, 101.2468



Tritanopia

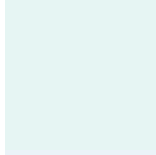
82.3698, 89.3003, 107.5031

Trichromacy



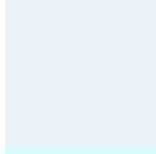
Original Color

76.0012, 89.3835, 101.2427



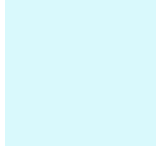
Protanomaly

81.4632, 88.5989, 97.6017



Deuteranomaly

83.2548, 88.5407, 101.5090



Tritanomaly

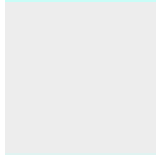
80.0616, 89.5314, 105.1570

Monochromacy



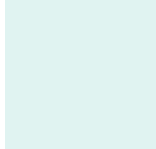
Original Color

76.0012, 89.3835, 101.2427



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.6682, 86.2994, 95.7303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.0012, 89.3835, 101.2427 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(201, 253, 247)` looks like.

```
.text, #text, p{  
    color:rgb(201, 253, 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(201, 253, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 253, 247) }
```

Border

The CSS property to change the border of an element to XYZ 76.0012, 89.3835, 101.2427 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(201, 253, 247) }
```


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

```
.border{ border-color:rgb(201, 253, 247) }
```

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

Here you see how a box with a 4 pixel rgb(201, 253, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 253, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 253, 247);  
box-shadow:4px 4px 4px 4px rgb(201, 253,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 76.0012, 89.3835, 101.2427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 253, 247) }
```

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

```
.background{ background-color: rgb(201,  
253, 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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