

Converting Colors

XYZ(80.8201, 100.0000,
104.2707)

Have a look what the booklet for
XYZ(80.8201, 100.0000, 104.2707)
contains.

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Color

**XYZ(76.1476, 90.3653,
103.0514)**

Conversions

Conversions Part 1

Format	Color
Hex	C6FFF9
RGB	198, 255, 249
RGB Percent	78%, 100%, 98%
CMY	0.2235, 0.0000, 0.0235
CMYK	0.22, 0.00, 0.02, 0.00
HSL	174°, 100%, 89%
HSV	174°, 22%, 100%
XYZ	76.1476, 90.3653, 103.0514
YIQ	237.2730, -32.0460, -13.9500

Conversions

Conversions Part 2

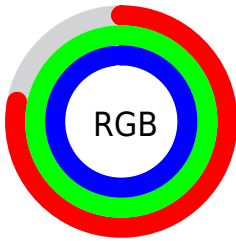
Format	Color
R_{YB}	198, 228, 255
Decimal	13041657
CIE _{Lab}	96.15, -19.01, -3.00
CIE _{LCh}	96, 19.250, 188.981
Yxy	90.3653, 0.2825, 0.3352
Android (android.graphics.Color)	4291231737 (0xFFC6FFF9)
YUV	237.2730, 5.7814, -34.4424
Hunter-Lab	95.0607, -23.3701, 2.2686

Details

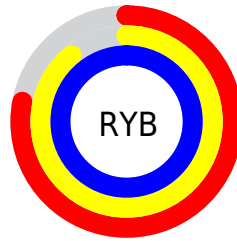
The XYZ color **76.1476, 90.3653, 103.0514** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.3339, 66.0091, 66.0560**, and the grayscale version is **80.6809, 84.8826, 92.4372**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.1474, 50.0781, 57.9494** is the 20% darker color. If you saturate the color by 10%, you get **69.5673, 87.0210, 100.5753**, and if you desaturate by 10%, it is **83.8674, 94.2963, 105.6150**.

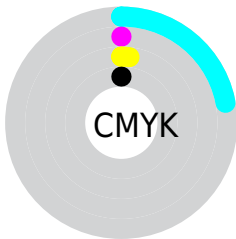
Distribution



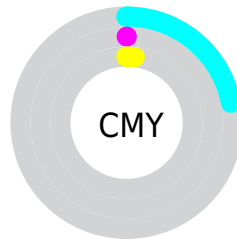
- Red (78%)
- Green (100%)
- Blue (98%)



- Red (78%)
- Yellow (89%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.1476, 90.3653, 103.0514 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 76.1476, 90.3653, 103.0514 by changing the saturation by 10% instead.


 76.1476, 90.3653,
103.0514

 76.1476, 90.3653,
103.0514


470.7894,
529.2184, 591.2621

 56.8510, 68.2837,
78.2203


126.9148,
147.8457, 167.4326

 41.1253, 50.1285,
57.7374


159.1161,
184.0133, 207.8197

 28.6051, 35.5155,
41.1843


196.3497,
225.6449, 254.2292

 18.9251, 24.0603,
28.1423

238.9809,
273.1251, 307.0797

 11.7198, 15.3783,
18.1930

287.3752,
326.8381, 366.7897

 6.6240, 9.0853,
10.9178

341.8978,

 3.2723, 4.7969,

387.1684, 433.7777

5.8981

402.9141,
454.5004, 508.4624

■ 1.2994, 2.1286,
2.7154

■ 0.1827, 0.6806,
0.9512

■ 76.1476, 90.3653,
103.0514

■ 76.1476, 90.3653,
103.0514

■ 69.5673, 87.0210,
100.5753

■ 83.8674, 94.2963,
105.6150

■ 64.0668, 84.2328,
98.1794

■ 92.7765, 98.8397,
108.2641

■ 59.5857, 81.9693,
95.8621

■ 95.0500, 100.0000,
108.9000

■ 56.0562, 80.1957,
93.6202

■ 53.4022, 78.8729,
91.4499

■ 51.5361, 77.9555,
89.3471

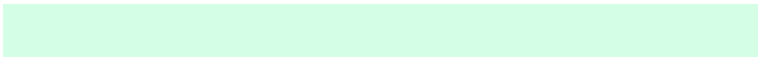
■ 50.3519, 77.3889,
87.3066

■ 49.7865, 77.1306,
85.7824

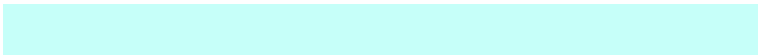
Harmonies

Analogous

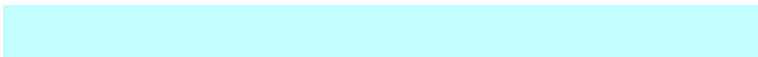
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.6628, 90.3653, 88.2236



76.1476, 90.3653, 103.0514



78.1573, 90.3653, 118.0605

Triad

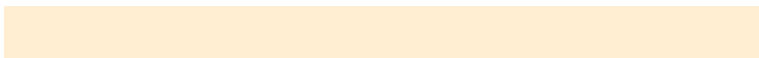
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.1476, 90.3653, 103.0514



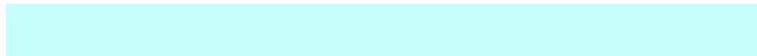
92.5074, 90.3653, 123.0504



89.6228, 90.3653, 73.4311

Complementary

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



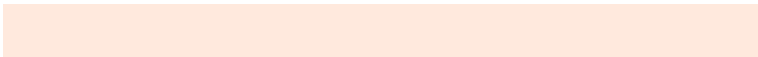
76.1476, 90.3653, 103.0514



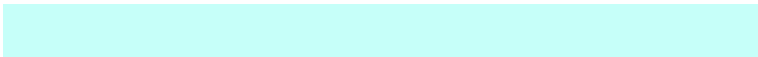
72.3339, 66.0091, 66.0560

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.



94.1156, 90.3653, 81.0399



76.1476, 90.3653, 103.0514



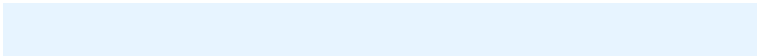
95.8283, 90.3653, 109.3141

Square

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



76.1476, 90.3653, 103.0514



87.5012, 90.3653, 130.3673



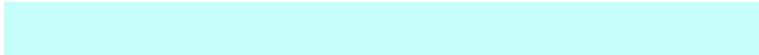
96.4288, 90.3653, 93.8761



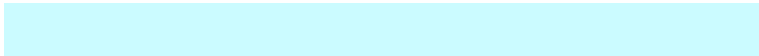
84.2977, 90.3653, 72.1264

Rectangle

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



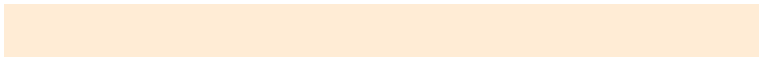
76.1476, 90.3653, 103.0514



80.7094, 90.3653, 125.7868



96.4288, 90.3653, 93.8761



91.2866, 90.3653, 75.2955

Sweetspot

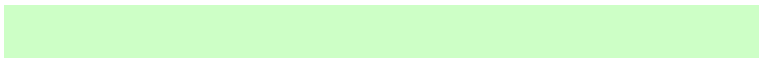
The Sweet Spot groups the original color and five complimentary colors.



76.1486, 90.3658, 103.0529



88.4842, 96.6500, 107.0217



71.0344, 88.5271, 66.7713



18.8241, 20.6283, 22.8728



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

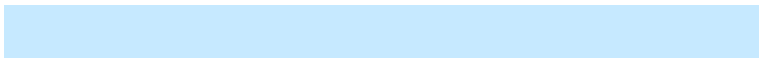
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.1486, 90.3658, 103.0529



72.9514, 88.7400, 101.8909



70.5211, 77.5896, 105.8672



18.4676, 20.4466, 22.7655



26.0478, 40.3157, 44.9987



2.5589, 3.9345, 4.5008

Inverse Universe

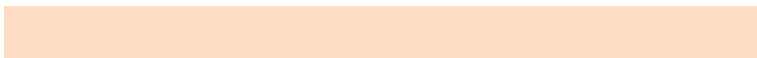
The Inverse Universe completely reimagines the original color for something new.



72.3339, 66.0091, 66.0560



68.5004, 60.3090, 58.7142



76.9877, 76.4459, 64.1256



18.0870, 18.0181, 19.0756



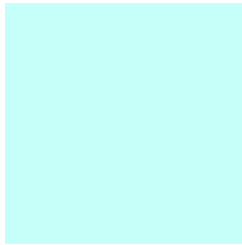
21.6762, 11.1598, 1.6793



2.1349, 1.0963, 0.2917

Previews

White Background



This preview shows how the XYZ color 76.1476, 90.3653, 103.0514 looks on a white background.

Color Contrast Check

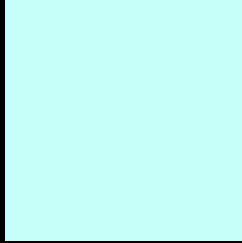
Large Text (above 18pt) WCAG AA × Fail

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 76.1476, 90.3653, 103.0514 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

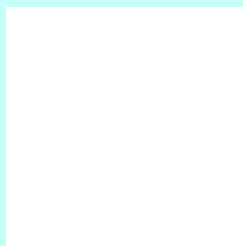
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.1476, 90.3653, 103.0514

Background



This preview shows how black text looks on a background with the XYZ color 76.1476, 90.3653, 103.0514.

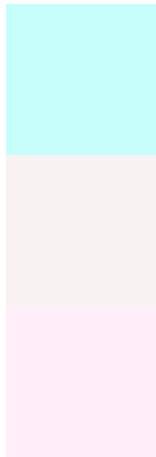


This preview shows how white text looks on a background with the XYZ color 76.1476, 90.3653,

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

76.1476, 90.3653, 103.0514

Protanopia

86.4905, 89.8715, 96.7928

Deuteranopia

89.2054, 89.8326, 102.2603



Tritanopia

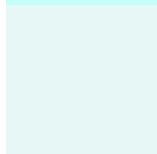
83.3057, 90.2355, 107.6343

Trichromacy



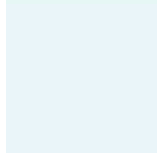
Original Color

76.1476, 90.3653, 103.0514



Protanomaly

82.3753, 89.9371, 99.4042



Deuteranomaly

83.6830, 89.6368, 102.5136



Tritanomaly

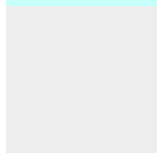
80.5305, 90.2148, 106.0973

Monochromacy



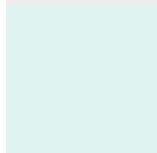
Original Color

76.1476, 90.3653, 103.0514



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.6593, 86.7402, 95.8158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.1476, 90.3653, 103.0514 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(198, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(198, 255, 249)  
}
```

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(198, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 249) }
```

Border

The CSS property to change the border of an element to XYZ 76.1476, 90.3653, 103.0514 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(198, 255, 249) }
```


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

```
.border{ border-color:rgb(198, 255, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 255, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 255, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 255, 249); box-shadow:4px 4px 4px 4px rgb(198, 255, 249) }
```

Background

The CSS property to change the background color of an element to XYZ 76.1476, 90.3653, 103.0514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 255, 249) }
```

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

```
.background{ background-color: rgb(198,  
255, 249) }
```

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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