

Converting Colors

XYZ(76.1963, 90.4123,
102.0662)

Have a look what the booklet for
XYZ(76.1963, 90.4123, 102.0662)
contains.

XYZ(76.2565, 90.4394, 102.2443)	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(76.2565, 90.4394,
102.2443)**

Conversions

Conversions Part 1

Format	Color
Hex	C7FFF8
RGB	199, 255, 248
RGB Percent	78%, 100%, 97%
CMY	0.2196, 0.0000, 0.0274
CMYK	0.22, 0.00, 0.03, 0.00
HSL	173°, 100%, 89%
HSV	173°, 22%, 100%
XYZ	76.2565, 90.4394, 102.2443
YIQ	237.4580, -31.1290, -14.0490

Conversions

Conversions Part 2

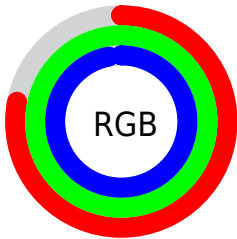
Format	Color
R_{YB}	199, 229, 255
Decimal	13107192
CIE _{Lab}	96.18, -18.93, -2.44
CIE _{LCh}	96, 19.082, 187.341
Yxy	90.4394, 0.2835, 0.3363
Android (android.graphics.Color)	4291297272 (0xFFC7FFF8)
YUV	237.4580, 5.1972, -33.7277
Hunter-Lab	95.0996, -23.2925, 2.8254

Details

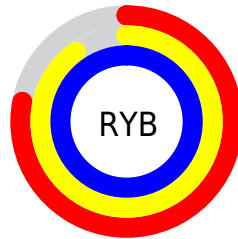
The XYZ color **76.2565, 90.4394, 102.2443** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.8048, 66.5645, 67.4043**, and the grayscale version is **80.8274, 85.0368, 92.6050**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.2101, 50.1232, 57.3719** is the 20% darker color. If you saturate the color by 10%, you get **69.5582, 87.0430, 99.3730**, and if you desaturate by 10%, it is **84.0989, 94.4247, 105.2161**.

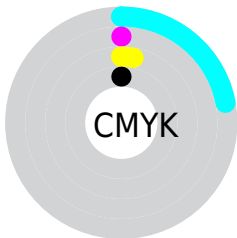
Distribution



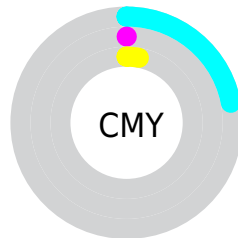
- Red (78%)
- Green (100%)
- Blue (97%)



- Red (78%)
- Yellow (90%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.2565, 90.4394, 102.2443 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 76.2565, 90.4394, 102.2443 by changing the saturation by 10% instead.


 76.2565, 90.4394,
102.2443

 76.2565, 90.4394,
102.2443

471.1562,
529.4592, 588.6724

 56.9407, 68.3451,
77.5489


127.0678,
147.9486, 166.3167

 41.1975, 50.1786,
57.1892


159.2941,
184.1323, 206.5307

 28.6618, 35.5553,
40.7468

196.5544,
225.7813, 252.7546

 18.9681, 24.0909,
27.8031

239.2143,
273.2800, 305.4071

 11.7511, 15.4011,
17.9395

287.6391,
327.0127, 364.9065

 6.6454, 9.1014,
10.7376

342.1941,

 3.2857, 4.8074,

387.3639, 431.6715

5.7787

403.2447,
454.7179, 506.1206

■ 1.3066, 2.1347,
2.6444

■ 0.1881, 0.6840,
0.9152

■ 76.2565, 90.4394,
102.2443

■ 76.2565, 90.4394,
102.2443

■ 69.5582, 87.0430,
99.3730

■ 84.0989, 94.4247,
105.2161


■ 63.9445, 84.2046,
96.5947


■ 93.1350, 99.0244,
108.2864


■ 59.3550, 81.8934,
93.9078


■ 95.0500, 100.0000,
108.9000

■ 55.7222, 80.0744,
91.3090

 52.9706, 78.7087,
88.7946

 51.0130, 77.7514,
86.3602

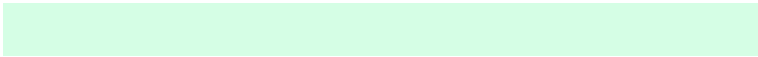
 49.7443, 77.1482,
84.0006

 49.0970, 76.8548,
82.1517

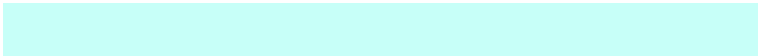
Harmonies

Analogous

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



76.9065, 90.4394, 87.6663



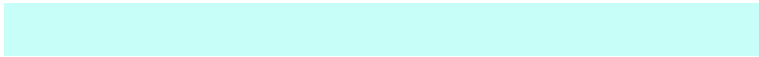
76.2565, 90.4394, 102.2443



78.1202, 90.4394, 117.2305

Triad

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



76.2565, 90.4394, 102.2443



92.2816, 90.4394, 123.5100



89.9404, 90.4394, 73.9517

Complementary

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



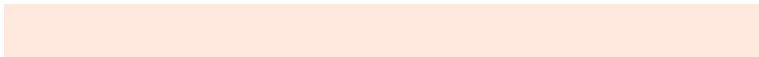
76.2565, 90.4394, 102.2443



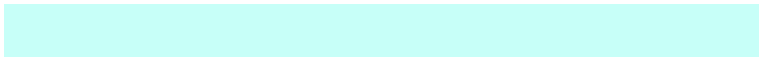
72.8048, 66.5645, 67.4043

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.



94.3074, 90.4394, 81.8316



76.2565, 90.4394, 102.2443



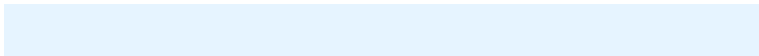
95.6973, 90.4394, 110.1335

Square

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



76.2565, 90.4394, 102.2443



87.2668, 90.4394, 130.3004



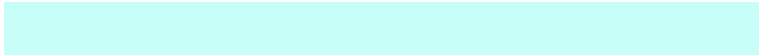
96.4535, 90.4394, 94.7959



84.6662, 90.4394, 72.3028

Rectangle

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



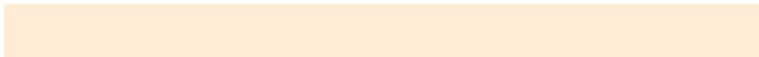
76.2565, 90.4394, 102.2443



80.5843, 90.4394, 125.1051



96.4535, 90.4394, 94.7959



91.5695, 90.4394, 75.9173

Sweetspot

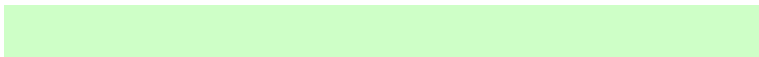
The Sweet Spot groups the original color and five complimentary colors.



76.2575, 90.4399, 102.2458



88.4280, 96.6275, 106.7262



71.6532, 88.8327, 67.4045



18.8111, 20.6231, 22.8042



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

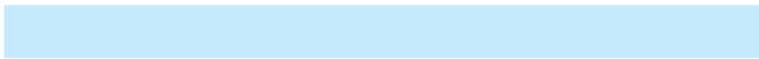
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.2575, 90.4399, 102.2458



73.4163, 88.9983, 101.0735



71.1601, 78.4748, 106.0044



18.4514, 20.4401, 22.6799



25.6927, 40.1737, 43.1285



2.5278, 3.9221, 4.3374

Inverse Universe

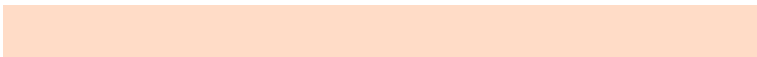
The Inverse Universe completely reimagines the original color for something new.



72.8048, 66.5645, 67.4043



69.4496, 61.5568, 61.0361



77.0205, 76.3264, 64.7077



18.1017, 18.0240, 19.1528



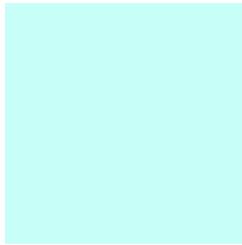
21.7126, 11.1743, 1.8713



2.1418, 1.0991, 0.3280

Previews

White Background



This preview shows how the XYZ color 76.2565, 90.4394, 102.2443 looks on a white background.

Color Contrast Check

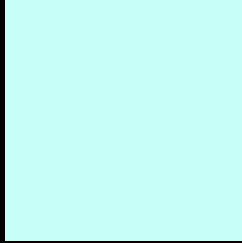
Large Text (above 18pt) WCAG AA × Fail

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 76.2565, 90.4394, 102.2443 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

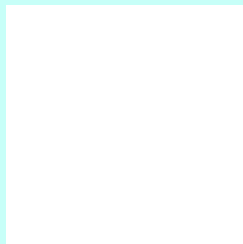
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.2565, 90.4394, 102.2443

Background



This preview shows how black text looks on a background with the XYZ color 76.2565, 90.4394, 102.2443.

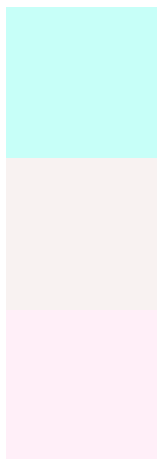


This preview shows how white text looks on a background with the XYZ color 76.2565, 90.4394,

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

76.2565, 90.4394, 102.2443

Protanopia

86.3407, 89.8116, 96.0038

Deuteranopia

89.0498, 89.7703, 101.4409



Tritanopia

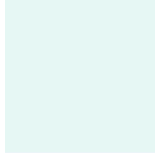
83.6239, 90.3995, 107.6491

Trichromacy



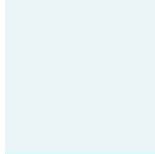
Original Color

76.2565, 90.4394, 102.2443



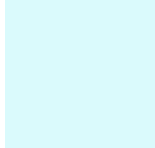
Protanomaly

82.2230, 89.8762, 98.6022



Deuteranomaly

83.8566, 89.7443, 101.7096



Tritanomaly

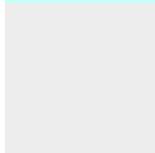
80.6697, 90.3049, 105.2743

Monochromacy



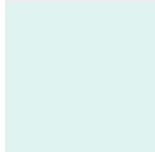
Original Color

76.2565, 90.4394, 102.2443



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 76.2565, 90.4394, 102.2443 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(199, 255, 248)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 248)  
}
```

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(199, 255, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 248) }
```

Border

The CSS property to change the border of an element to XYZ 76.2565, 90.4394, 102.2443 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(199, 255, 248) }
```


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

```
.border{ border-color:rgb(199, 255, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 255, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 248);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 76.2565, 90.4394, 102.2443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 255, 248) }
```

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

```
.background{ background-color: rgb(199,  
255, 248) }
```

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