

Converting Colors

XYZ(76.1696, 82.9670,
102.1003)

Have a look what the booklet for
XYZ(76.1696, 82.9670, 102.1003)
contains.

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Color

**XYZ(76.4407, 83.2341,
102.4794)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | D8EFFA |
| RGB | 216, 239, 250 |
| RGB Percent | 85%, 94%, 98% |
| CMY | 0.1529, 0.0627, 0.0196 |
| CMYK | 0.14, 0.04, 0.00, 0.02 |
| HSL | 199°, 77%, 91% |
| HSV | 199°, 14%, 98% |
| XYZ | 76.4407, 83.2341, 102.4794 |
| YIQ | 233.3770, -17.2390, -1.4550 |

Conversions

Conversions Part 2

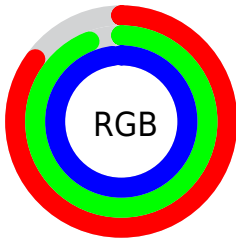
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 216, 230, 250 |
| Decimal | 14217210 |
| CIE Lab | 93.12, -5.35, -7.87 |
| CIE LCh | 93, 9.516, 235.765 |
| Yxy | 83.2341, 0.2916, 0.3175 |
| Android (android.graphics.Color) | 4292407290 (0xFFD8E9FA) |
| YUV | 233.3770, 8.1951, -15.2396 |
| Hunter-Lab | 91.2327, -10.0984, -2.7360 |

Details

The XYZ color **76.4407, 83.2341, 102.4794** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.2885, 80.2196, 76.2722**, and the grayscale version is **77.6876, 81.7334, 89.0077**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.3690, 45.3391, 57.6099** is the 20% darker color. If you saturate the color by 10%, you get **67.2953, 75.0856, 101.3899**, and if you desaturate by 10%, it is **86.8206, 92.1806, 103.6605**.

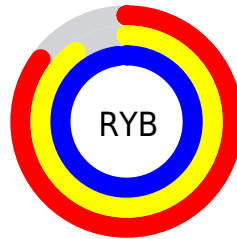
Distribution



Red (85%)

Green (94%)

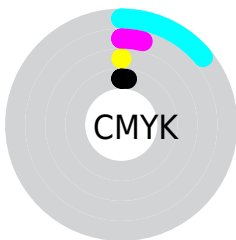
Blue (98%)



Red (85%)

Yellow (90%)

Blue (98%)

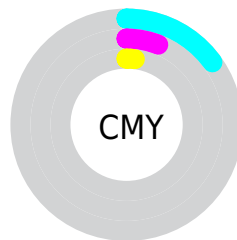


Cyan (14%)

Magenta (4%)

Yellow (0%)

Black (2%)



Cyan (15%)

Magenta (6%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.4407, 83.2341, 102.4794 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 76.4407, 83.2341, 102.4794 by changing the saturation by 10% instead.

■ 76.4407, 83.2341,
102.4794

■ 76.4407, 83.2341,
102.4794

471.7762,
505.7664, 589.4274

■ 57.0923, 62.3833,
77.7444

127.3267,
137.9033, 166.6418

■ 41.3198, 45.3425,
57.3488

159.5950,
172.4905, 206.9063

■ 28.7578, 31.7273,
40.8742

196.9006,
212.4252, 253.1844

■ 19.0410, 21.1533,
27.9018

239.6089,
258.0919, 305.8946

■ 11.8041, 13.2361,
18.0133

288.0853,
309.8750, 365.4554

■ 6.6817, 7.5913,
10.7900

342.6951,

■ 3.3084, 3.8346,

368.1588, 432.2855

5.8134

403.8036,
433.3278, 506.8033

■ 1.3189, 1.5815,
2.6650

■ 0.1973, 0.3451,
0.9257

■ 76.4407, 83.2341,
102.4794

■ 76.4407, 83.2341,
102.4794

■ 67.2953, 75.0856,
101.3899

■ 86.8206, 92.1806,
103.6605

■ 59.3251, 67.6960,
100.3837

■ 94.2556, 99.6822,
104.7166

■ 52.4767, 61.0378,
99.4594

■ 46.6893, 55.0776,
98.6140

■ 41.8962, 49.7788,
97.8439

■ 38.0224, 45.1005,
97.1451

■ 34.9811, 40.9958,
96.5131

■ 32.6671, 37.4081,
95.9425

■ 31.4704, 35.3319,
95.6049

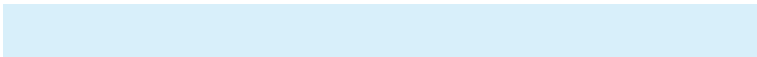
Harmonies

Analogous

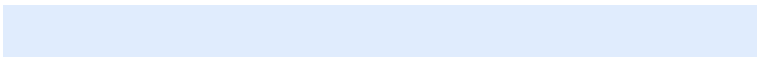
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.8654, 83.2341, 96.7381



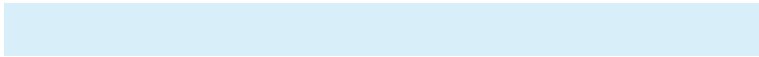
76.4407, 83.2341, 102.4794



78.7575, 83.2341, 105.0459

Triad

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



76.4407, 83.2341, 102.4794



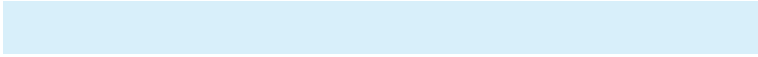
83.9976, 83.2341, 91.6470



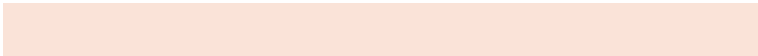
77.0425, 83.2341, 78.7984

Complementary

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



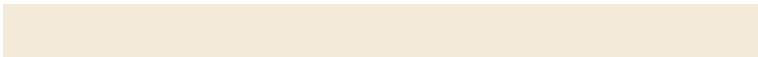
76.4407, 83.2341, 102.4794



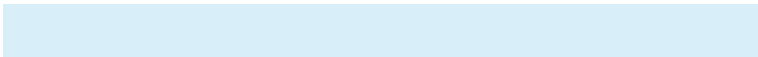
79.2885, 80.2196, 76.2722

Split Complementary

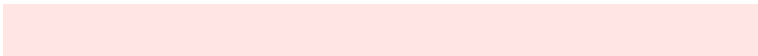
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.4666, 83.2341, 77.5933



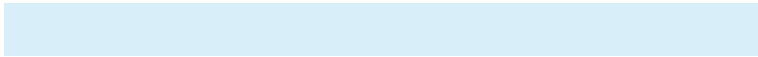
76.4407, 83.2341, 102.4794



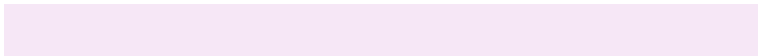
83.5153, 83.2341, 84.7803

Square

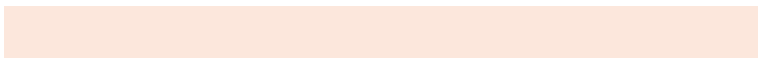
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



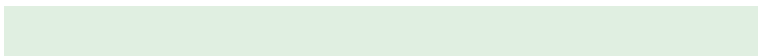
76.4407, 83.2341, 102.4794



83.1482, 83.2341, 98.5868



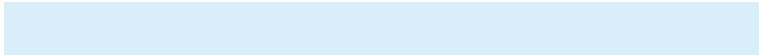
81.8438, 83.2341, 79.7271



75.2076, 83.2341, 83.1091

Rectangle

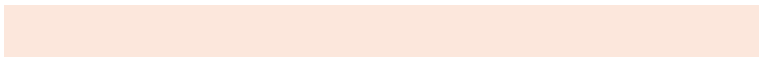
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.4407, 83.2341, 102.4794



80.4234, 83.2341, 104.5174



81.8438, 83.2341, 79.7271



77.8140, 83.2341, 78.0267

Sweetspot

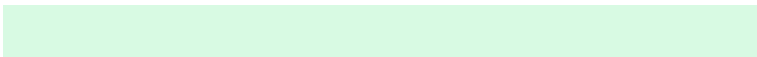
The Sweet Spot groups the original color and five complimentary colors.



76.4431, 83.2376, 102.4813



90.3530, 96.0297, 108.3812



76.3388, 88.5047, 85.5654



19.1553, 20.3978, 23.1775



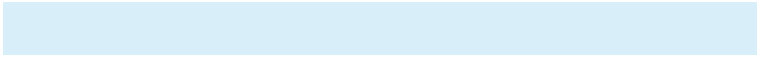
0.0000, 0.0000, 0.0000



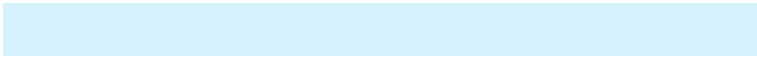
20.3446, 21.4041, 23.3091

Same Dimension

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



76.4431, 83.2376, 102.4813



77.5338, 84.9340, 106.9152



71.7589, 73.8691, 100.9199



17.2649, 18.6066, 22.0668



16.8289, 19.0133, 50.7565



1.6548, 1.9532, 4.7330

Inverse Universe

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



79.5621, 75.6694, 92.0777



81.3348, 75.8535, 94.2047



84.1009, 89.8443, 77.8763



17.7403, 17.4235, 20.4879



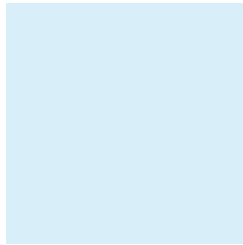
24.7865, 12.3303, 21.3818



2.3442, 1.1614, 2.2358

Previews

White Background



This preview shows how the XYZ color 76.4407, 83.2341, 102.4794 looks on a white background.

Color Contrast Check

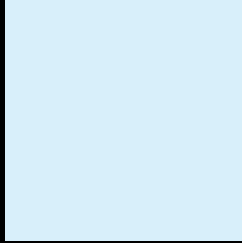
Large Text (above 18pt) WCAG AA × Fail

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 76.4407, 83.2341, 102.4794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

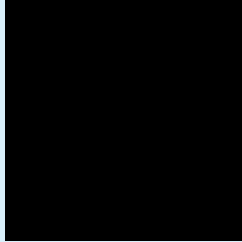
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

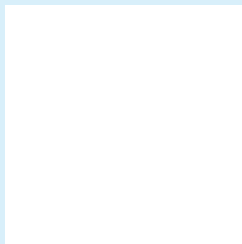
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.4407, 83.2341, 102.4794

Background



This preview shows how black text looks on a background with the XYZ color 76.4407, 83.2341, 102.4794.

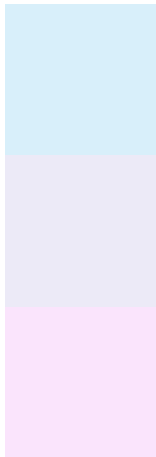


This preview shows how white text looks on a background with the XYZ color 76.4407, 83.2341,

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

76.4407, 83.2341, 102.4794

Protanopia

80.8034, 83.3939, 99.8335

Deuteranopia

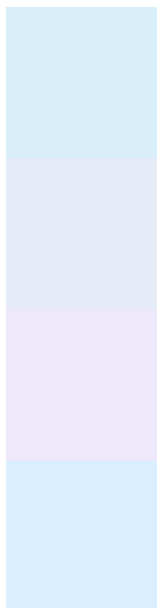
84.7384, 82.8391, 103.6188



Tritanopia

77.8380, 83.4291, 106.6087

Trichromacy



Original Color

76.4407, 83.2341, 102.4794

Protanomaly

79.2518, 83.4262, 100.7328

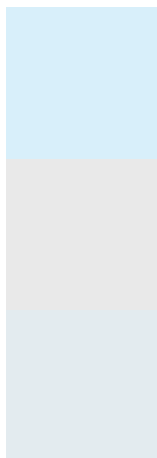
Deuteranomaly

81.5291, 82.8554, 102.9624

Tritanomaly

77.2176, 83.1463, 104.9076

Monochromacy



Original Color

76.4407, 83.2341, 102.4794

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

76.9669, 81.9796, 93.4284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.4407, 83.2341, 102.4794 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(216, 239, 250)` looks like.

```
.text, #text, p{  
    color:rgb(216, 239, 250)  
}
```

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(216, 239, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 239, 250) }
```

Border

The CSS property to change the border of an element to XYZ 76.4407, 83.2341, 102.4794 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(216, 239, 250) }
```


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

```
.border{ border-color:rgb(216, 239, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 239, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 239, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 239, 250);  
box-shadow:4px 4px 4px 4px rgb(216, 239,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 76.4407, 83.2341, 102.4794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 239, 250) }
```

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

```
.background{ background-color: rgb(216,  
239, 250) }
```

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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