

Converting Colors

XYZ(76.1762, 83.2633,
101.2936)

Have a look what the booklet for
XYZ(76.1762, 83.2633, 101.2936)
contains.

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Color

**XYZ(76.2843, 83.1715,
101.6556)**

Conversions

Conversions Part 1

Format	Color
Hex	D8EFF9
RGB	216, 239, 249
RGB Percent	85%, 94%, 98%
CMY	0.1529, 0.0627, 0.0235
CMYK	0.13, 0.04, 0.00, 0.02
HSL	198°, 73%, 91%
HSV	198°, 13%, 98%
XYZ	76.2843, 83.1715, 101.6556
YIQ	233.2630, -16.9180, -1.7660

Conversions

Conversions Part 2

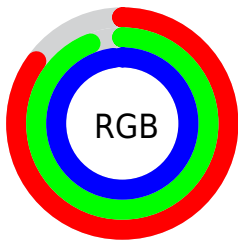
Format	Color
R _{YB}	216, 230, 249
Decimal	14217209
CIE _{Lab}	93.09, -5.55, -7.39
CIE _{LCh}	93, 9.242, 233.070
Y _{xy}	83.1715, 0.2922, 0.3185
Android (android.graphics.Color)	4292407289 (0xFFD8EFF9)
YUV	233.2630, 7.7583, -15.1397
Hunter-Lab	91.1984, -10.2882, -2.2496

Details

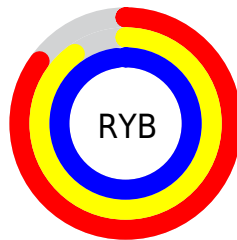
The XYZ color **76.2843, 83.1715, 101.6556** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.6585, 79.4900, 76.1647**, and the grayscale version is **77.6047, 81.6462, 88.9127**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.2571, 45.2943, 57.0203** is the 20% darker color. If you saturate the color by 10%, you get **67.3161, 75.3402, 100.6180**, and if you desaturate by 10%, it is **86.4642, 91.7687, 102.7798**.

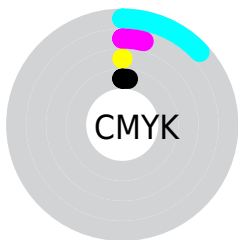
Distribution



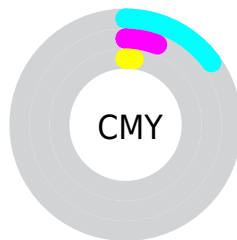
- Red (85%)
- Green (94%)
- Blue (98%)



- Red (85%)
- Yellow (90%)
- Blue (98%)



- Cyan (13%)
- Magenta (4%)
- Yellow (0%)
- Black (2%)



- Cyan (15%)
- Magenta (6%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.2843, 83.1715, 101.6556 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 76.2843, 83.1715, 101.6556 by changing the saturation by 10% instead.

■ 76.2843, 83.1715,
101.6556

■ 76.2843, 83.1715,
101.6556

471.2498,
505.5579, 586.7797

■ 56.9635, 62.3316,
77.0593

127.1069,
137.8156, 165.5022

■ 41.2160, 45.3007,
56.7897

159.3395,
172.3887, 205.5896

■ 28.6763, 31.6944,
40.4282

196.6067,
212.3083, 251.6778

■ 18.9791, 21.1282,
27.5562

239.2739,
257.9588, 304.1853

■ 11.7591, 13.2177,
17.7553

287.7064,
309.7246, 363.5307

■ 6.6509, 7.5786,
10.6068

342.2697,

■ 3.2891, 3.8265,

367.9901, 430.1326

5.6923

403.3290,
433.1398, 504.4094

■ 1.3084, 1.5770,
2.5931

■ 0.1895, 0.3420,
0.8889

■ 76.2843, 83.1715,
101.6556

■ 76.2843, 83.1715,
101.6556

■ 67.3161, 75.3402,
100.6180

■ 86.4642, 91.7687,
102.7798

■ 59.5013, 68.2364,
99.6587

■ 93.8099, 99.0411,
103.7964

■ 52.7874, 61.8336,
98.7767

■ 94.0991, 99.6197,
103.8928

■ 47.1147, 56.0994,
97.9689

■ 42.4175, 50.9982,
97.2318

■ 38.6222, 46.4901,
96.5617

■ 35.6438, 42.5296,
95.9542

■ 33.3791, 39.0616,
95.4042

■ 32.1526, 36.9466,
95.0606

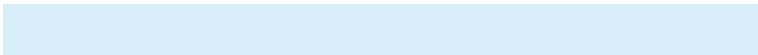
Harmonies

Analogous

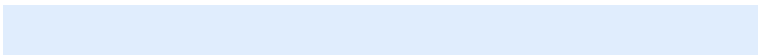
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.8406, 83.1715, 95.8922



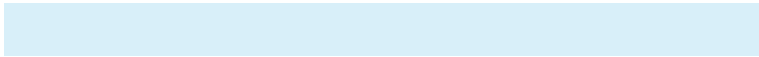
76.2843, 83.1715, 101.6556



78.4910, 83.1715, 104.4686

Triad

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



76.2843, 83.1715, 101.6556



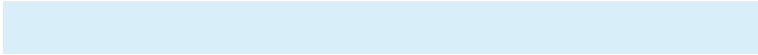
83.7701, 83.1715, 92.1798



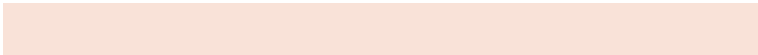
77.2395, 83.1715, 78.8245

Complementary

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



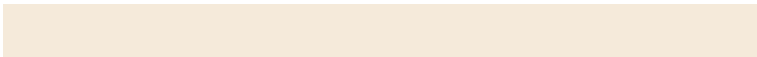
76.2843, 83.1715, 101.6556



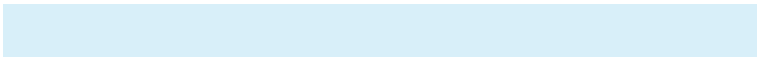
78.6585, 79.4900, 76.1647

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.



79.6157, 83.1715, 77.9435



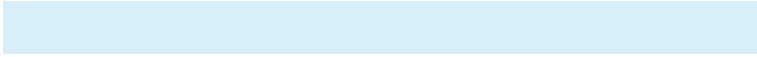
76.2843, 83.1715, 101.6556



83.4185, 83.1715, 85.4285

Square

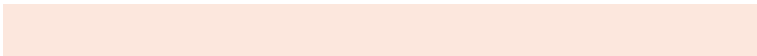
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



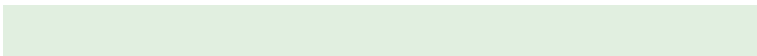
76.2843, 83.1715, 101.6556



82.8370, 83.1715, 98.8196



81.8859, 83.1715, 80.3020



75.3841, 83.1715, 82.7732

Rectangle

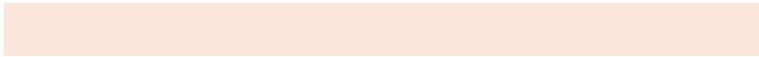
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.2843, 83.1715, 101.6556



80.1109, 83.1715, 104.1957



81.8859, 83.1715, 80.3020



78.0026, 83.1715, 78.1684

Sweetspot

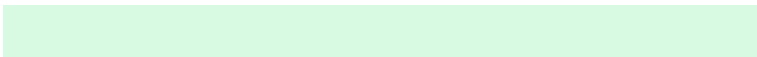
The Sweet Spot groups the original color and five complimentary colors.



76.2867, 83.1750, 101.6575



90.4186, 96.1609, 108.4031



75.9098, 87.8372, 84.8345



19.1720, 20.4310, 23.1831



0.0000, 0.0000, 0.0000



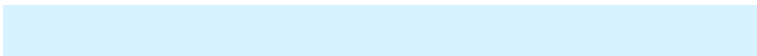
20.3446, 21.4041, 23.3091

Same Dimension

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



76.2867, 83.1750, 101.6575



77.7831, 85.4325, 106.9983



71.7002, 74.0019, 100.1286



17.2960, 18.6689, 22.0772



17.3414, 20.0384, 50.9274



1.6993, 2.0423, 4.7478

Inverse Universe

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



79.2047, 75.4852, 92.0609



81.4606, 75.9038, 94.8671



83.3343, 88.8417, 77.7233



17.7560, 17.4297, 20.5707



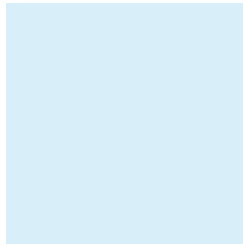
25.0452, 12.4338, 22.7441



2.3666, 1.1704, 2.3542

Previews

White Background



This preview shows how the XYZ color 76.2843, 83.1715, 101.6556 looks on a white background.

Color Contrast Check

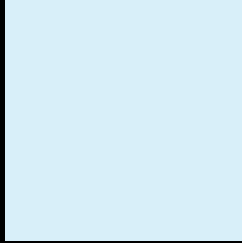
Large Text (above 18pt) WCAG AA × Fail

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 76.2843, 83.1715, 101.6556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

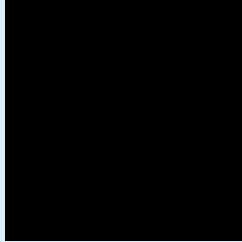
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

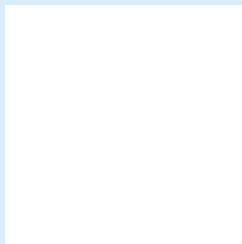
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.2843, 83.1715, 101.6556

Background



This preview shows how black text looks on a background with the XYZ color 76.2843, 83.1715, 101.6556.

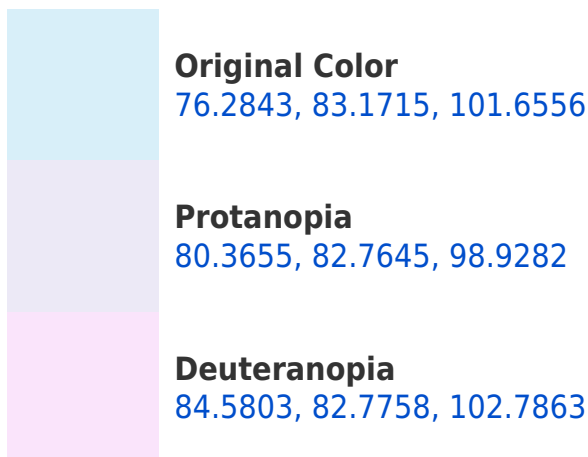


This preview shows how white text looks on a background with the XYZ color 76.2843, 83.1715,

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

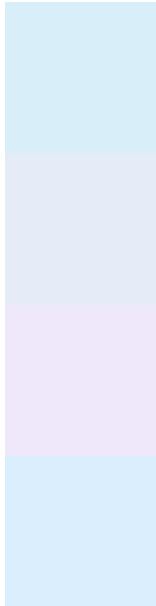




Tritanopia

77.8380, 83.4291, 106.6087

Trichromacy



Original Color

76.2843, 83.1715, 101.6556

Protanomaly

78.8099, 82.7901, 99.8220

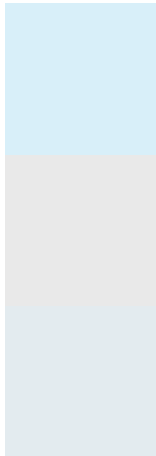
Deuteranomaly

81.3718, 82.7925, 102.1343

Tritanomaly

77.2176, 83.1463, 104.9076

Monochromacy



Original Color

76.2843, 83.1715, 101.6556

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 76.2843, 83.1715, 101.6556 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, 249)` looks like.

```
.text, #text, p{  
    color:rgb(216, 239, 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(216, 239, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 239, 249) }
```

Border

The CSS property to change the border of an element to XYZ 76.2843, 83.1715, 101.6556 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, 249) }
```


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

```
.border{ border-color:rgb(216, 239, 249) }
```

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, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 239, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 239, 249);  
box-shadow:4px 4px 4px 4px rgb(216, 239,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 76.2843, 83.1715, 101.6556 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, 249) }
```

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

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