

Converting Colors

XYZ(81.6301, 90.1890,
107.1291)

Have a look what the booklet for
XYZ(81.6301, 90.1890, 107.1291)
contains.

XYZ(81.5839, 90.2793, 106.8916)	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(81.5839, 90.2793,
106.8916)**

Conversions

Conversions Part 1

Format	Color
Hex	DDF9FE
RGB	221, 249, 254
RGB Percent	87%, 98%, 100%
CMY	0.1333, 0.0235, 0.0039
CMYK	0.13, 0.02, 0.00, 0.00
HSL	189°, 94%, 93%
HSV	189°, 13%, 100%
XYZ	81.5839, 90.2793, 106.8916
YIQ	241.1980, -18.2930, -4.3810

Conversions

Conversions Part 2

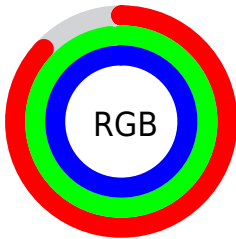
Format	Color
R _{YB}	221, 236, 254
Decimal	14547454
CIE _{Lab}	96.11, -8.06, -5.48
CIE _{LCh}	96, 9.747, 214.181
Y _{xy}	90.2793, 0.2927, 0.3239
Android (android.graphics.Color)	4292737534 (0xFFDDDF9FE)
Y _{UV}	241.1980, 6.3114, -17.7136
Hunter-Lab	95.0154, -13.0100, -0.1900

Details

The XYZ color **81.5839, 90.2793, 106.8916** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.1211, 80.6837, 79.7063**, and the grayscale version is **83.7294, 88.0898, 95.9298**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.8739, 50.2781, 60.1629** is the 20% darker color. If you saturate the color by 10%, you get **73.2520, 84.2398, 106.1664**, and if you desaturate by 10%, it is **91.1154, 96.9781, 107.6837**.

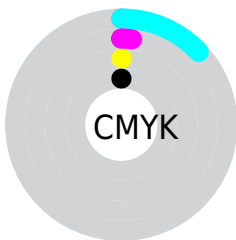
Distribution



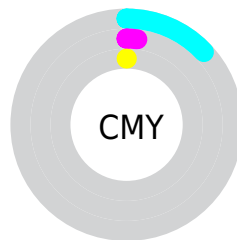
- Red (87%)
- Green (98%)
- Blue (100%)



- Red (87%)
- Yellow (93%)
- Blue (100%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.5839, 90.2793, 106.8916 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 81.5839, 90.2793, 106.8916 by changing the saturation by 10% instead.

81.5839, 90.2793,
106.8916

81.5839, 90.2793,
106.8916

488.9104,
528.9390, 603.5034

61.3355, 68.2123,
81.4195

134.5292,
147.7263, 172.7302

44.7496, 50.0705,
60.3541

167.9569,
183.8751, 213.9338

31.4607, 35.4694,
43.2770

206.5083,
225.4866, 261.2183

21.1034, 24.0247,
29.7695

250.5490,
272.9453, 315.0023

13.3125, 15.3519,
19.4131

300.4442,
326.6354, 375.7042

7.7226, 9.0668,
11.7893

356.5592,

3.9683, 4.7847,

386.9415, 443.7427

6.4796

419.2595,
454.2479, 519.5362

■ 1.6842, 2.1215,
3.0654

■ 0.4463, 0.6767,
1.1281

■ 81.5839, 90.2793,
106.8916

■ 81.5839, 90.2793,
106.8916

■ 73.2520, 84.2398,
106.1664

■ 91.1154, 96.9781,
107.6837

■ 66.0592, 78.8210,
105.4996

94.8897, 99.9359,
108.0556

■ 59.9517, 73.9974,
104.8904

■ 54.8681, 69.7371,
104.3361

■ 50.7406, 66.0050,
103.8332

■ 47.4933, 62.7616,
103.3784

■ 45.0383, 59.9616,
102.9673

■ 43.2689, 57.5496,
102.5950

■ 42.3289, 56.0343,
102.3520

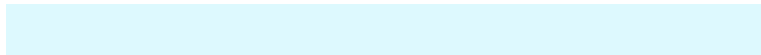
Harmonies

Analogous

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



80.7331, 90.2793, 99.3870



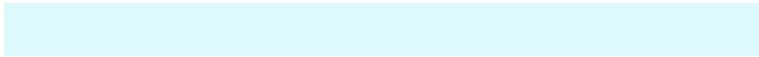
81.5839, 90.2793, 106.8916



83.5663, 90.2793, 112.3007

Triad

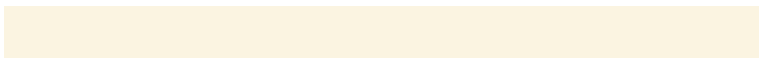
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.5839, 90.2793, 106.8916



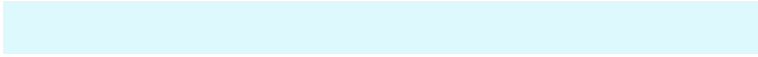
90.5668, 90.2793, 104.9180



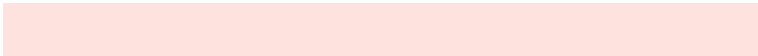
85.4297, 90.2793, 84.2022

Complementary

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



81.5839, 90.2793, 106.8916



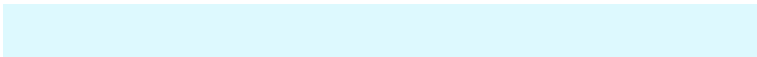
81.1211, 80.6837, 79.7063

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.



88.0889, 90.2793, 85.5120



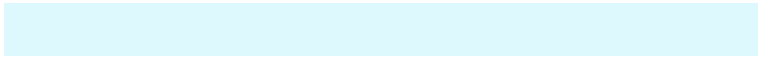
81.5839, 90.2793, 106.8916



91.0908, 90.2793, 97.2186

Square

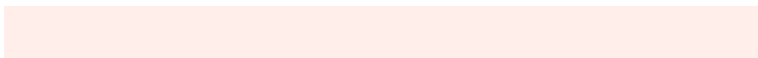
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.5839, 90.2793, 106.8916



88.7579, 90.2793, 111.1200



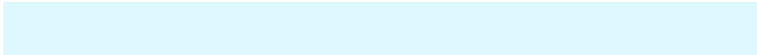
90.1750, 90.2793, 90.1793



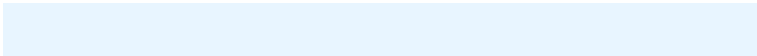
82.9238, 90.2793, 86.5038

Rectangle

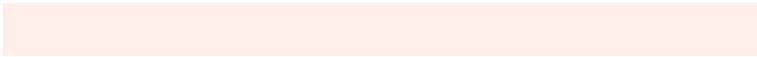
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.5839, 90.2793, 106.8916



85.2825, 90.2793, 113.8461



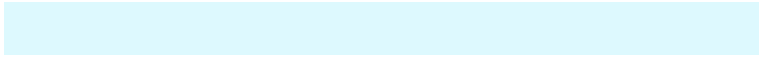
90.1750, 90.2793, 90.1793



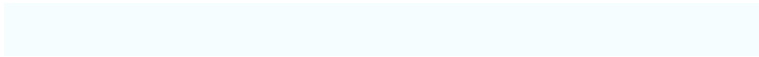
86.3352, 90.2793, 84.2356

Sweetspot

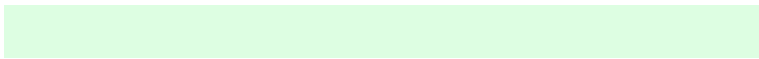
The Sweet Spot groups the original color and five complimentary colors.



81.5865, 90.2831, 106.8936



90.9057, 97.1351, 108.5655



78.9828, 91.7456, 85.4630



19.2956, 20.6782, 23.2243



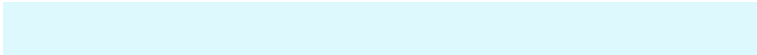
0.0000, 0.0000, 0.0000



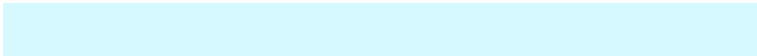
20.3446, 21.4041, 23.3091

Same Dimension

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



81.5865, 90.2831, 106.8936



79.6608, 89.1880, 107.6242



76.7215, 80.5530, 105.2719



18.3068, 19.9851, 23.1426



22.4036, 29.7168, 53.9897



2.2420, 3.0148, 5.2770

Inverse Universe

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



83.8305, 79.6252, 100.5778



82.4084, 76.2829, 99.8582



85.8119, 90.0653, 81.2699



18.6675, 18.2503, 22.1321



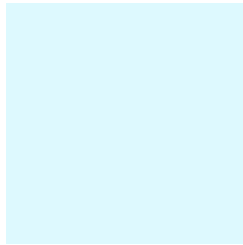
28.0965, 13.7279, 35.4883



2.7663, 1.3489, 3.6166

Previews

White Background



This preview shows how the XYZ color 81.5839, 90.2793, 106.8916 looks on a white background.

Color Contrast Check

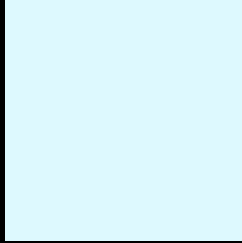
Large Text (above 18pt) WCAG AA × Fail

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 81.5839, 90.2793, 106.8916 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 81.5839, 90.2793, 106.8916

Background



This preview shows how black text looks on a background with the XYZ color 81.5839, 90.2793, 106.8916.

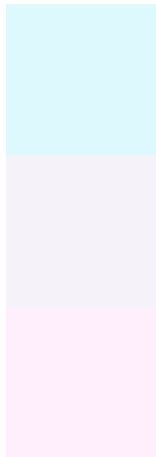


This preview shows how white text looks on a background with the XYZ color 81.5839, 90.2793,

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

81.5839, 90.2793, 106.8916

Protanopia

87.0135, 89.9992, 103.2280

Deuteranopia

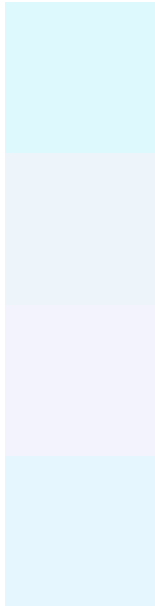
89.6772, 90.0213, 104.7448



Tritanopia

84.6341, 90.0172, 107.5221

Trichromacy



Original Color

81.5839, 90.2793, 106.8916

Protanomaly

84.9900, 90.2744, 104.2120

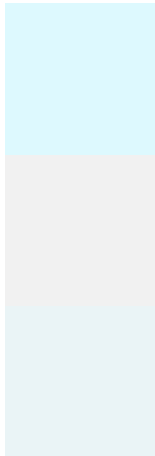
Deuteranomaly

86.7424, 90.2477, 105.7762

Tritanomaly

83.3189, 89.7895, 107.5475

Monochromacy



Original Color

81.5839, 90.2793, 106.8916

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

82.9169, 88.8476, 99.9679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.5839, 90.2793, 106.8916 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(221, 249, 254)` looks like.

```
.text, #text, p{  
    color:rgb(221, 249, 254)  
}
```

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(221, 249, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 249, 254) }
```

Border

The CSS property to change the border of an element to XYZ 81.5839, 90.2793, 106.8916 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(221, 249, 254) }
```


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

```
.border{ border-color:rgb(221, 249, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 249, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 249, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 249, 254);  
box-shadow:4px 4px 4px 4px rgb(221, 249,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 81.5839, 90.2793, 106.8916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 249, 254) }
```

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

```
.background{ background-color: rgb(221,  
249, 254) }
```

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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