

Converting Colors

XYZ(71.0477, 76.0891,
104.6601)

Have a look what the booklet for
XYZ(71.0477, 76.0891, 104.6601)
contains.

XYZ(71.0855, 76.1735, 104.7223)	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(71.0855, 76.1735,
104.7223)**

Conversions

Conversions Part 1

Format	Color
Hex	CDE5FE
RGB	205, 229, 254
RGB Percent	80%, 90%, 100%
CMY	0.1961, 0.1019, 0.0039
CMYK	0.19, 0.10, 0.00, 0.00
HSL	211°, 96%, 90%
HSV	211°, 19%, 100%
XYZ	71.0855, 76.1735, 104.7223
YIQ	224.6740, -22.3290, 2.6870

Conversions

Conversions Part 2

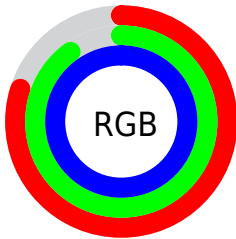
Format	Color
R _Y B	205, 221, 254
Decimal	13493758
CIE Lab	89.94, -2.78, -14.76
CIE LCh	90, 15.024, 259.330
Yxy	76.1735, 0.2821, 0.3023
Android (android.graphics.Color)	4291683838 (0xFFCDE5FE)
YUV	224.6740, 14.4577, -17.2541
Hunter-Lab	87.2774, -7.3513, -10.0466

Details

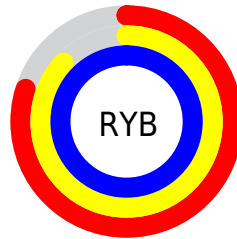
The XYZ color **71.0855, 76.1735, 104.7223** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **80.1899, 82.0722, 69.3742**, and the grayscale version is **71.2469, 74.9573, 81.6285**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.7918, 40.7874, 58.7042** is the 20% darker color. If you saturate the color by 10%, you get **61.1875, 65.9473, 103.2714**, and if you desaturate by 10%, it is **82.3931, 87.5275, 106.3191**.

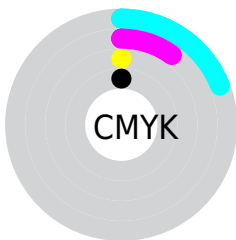
Distribution



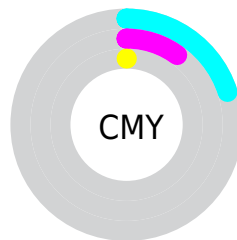
- Red (80%)
- Green (90%)
- Blue (100%)



- Red (80%)
- Yellow (87%)
- Blue (100%)



- Cyan (19%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.0855, 76.1735, 104.7223 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 71.0855, 76.1735, 104.7223 by changing the saturation by 10% instead.

■ 71.0855, 76.1735,
104.7223

■ 71.0855, 76.1735,
104.7223

453.5595,
481.9414, 596.6045

■ 52.6948, 56.5748,
79.6114

119.7733,
127.9721, 169.7400

■ 37.7857, 40.6640,
58.8743

150.8011,
160.9408, 210.4838

■ 25.9928, 28.0566,
42.0926

186.7719,
199.1350, 257.2757

■ 16.9509, 18.3683,
28.8477

228.0512,
242.9390, 310.5341

■ 10.2946, 11.2147,
18.7211

275.0042,
292.7373, 370.6777

■ 5.6585, 6.2115,
11.2941

327.9964,

■ 2.6772, 2.9741,

348.9141, 438.1249

6.1484

387.3930,
411.8541, 513.2943

■ 0.9855, 1.1182,
2.8653

■ 0.0000, 0.0000,
1.0263

■ 71.0855, 76.1735,
104.7223

■ 71.0855, 76.1735,
104.7223

■ 61.1875, 65.9473,
103.2714

■ 82.3931, 87.5275,
106.3191

■ 52.6316, 56.7997,
101.9567

94.8643, 99.8851,
108.0471

■ 45.3548, 48.6913,
100.7751

94.8896, 99.9359,
108.0555

■ 39.2858, 41.5761,
99.7216

■ 34.3458, 35.4038,
98.7906

■ 30.4451, 30.1183,
97.9760

■ 27.4786, 25.6548,
97.2708

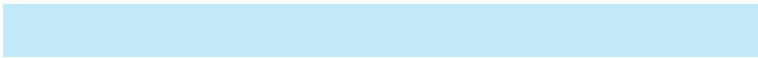
■ 25.2892, 21.9215,
96.6656

■ 25.1505, 21.6775,
96.6258

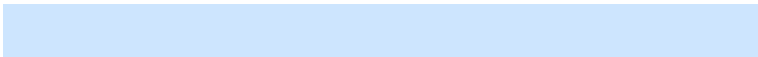
Harmonies

Analogous

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



67.8425, 76.1735, 99.4520



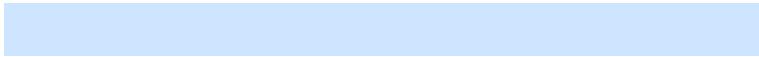
71.0855, 76.1735, 104.7223



74.7920, 76.1735, 103.7907

Triad

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



71.0855, 76.1735, 104.7223



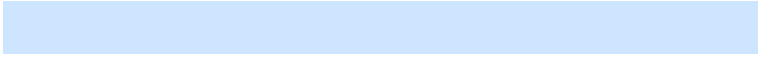
79.3557, 76.1735, 76.3482



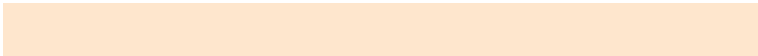
67.1144, 76.1735, 70.3041

Complementary

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



71.0855, 76.1735, 104.7223



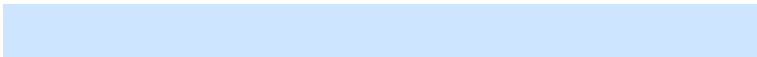
80.1899, 82.0722, 69.3742

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.



70.0608, 76.1735, 65.0874



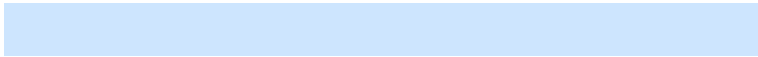
71.0855, 76.1735, 104.7223



77.1585, 76.1735, 68.3649

Square

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



71.0855, 76.1735, 104.7223



79.6529, 76.1735, 86.7875



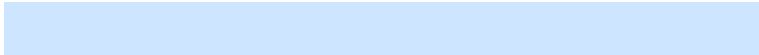
73.7319, 76.1735, 64.4092



65.6025, 76.1735, 79.2079

Rectangle

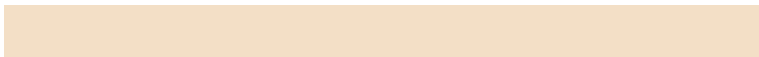
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.0855, 76.1735, 104.7223



77.0250, 76.1735, 99.7997



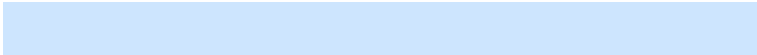
73.7319, 76.1735, 64.4092



67.9652, 76.1735, 68.0948

Sweetspot

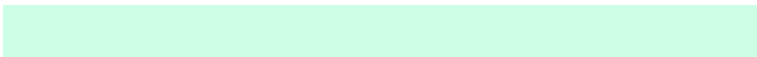
The Sweet Spot groups the original color and five complimentary colors.



71.0878, 76.1766, 104.7240



87.2038, 92.3335, 107.8338



74.8329, 89.5493, 87.8374



18.4894, 19.5901, 23.0567



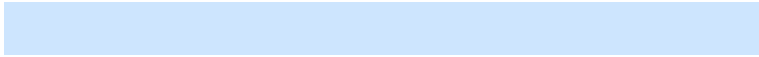
0.0000, 0.0000, 0.0000



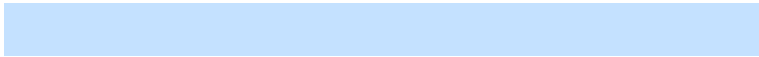
20.3446, 21.4041, 23.3091

Same Dimension

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



71.0878, 76.1766, 104.7240



67.8529, 72.8964, 105.1019



64.8991, 63.7992, 102.6611



17.7377, 18.8470, 22.9529



13.4062, 11.7220, 50.9906



1.4143, 1.3593, 5.0011

Inverse Universe

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



76.8490, 70.3924, 83.6689



74.6605, 66.3385, 80.1609



87.3356, 96.3636, 71.7561



18.3802, 18.1354, 20.6195



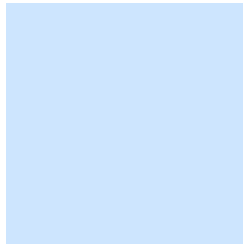
23.5550, 11.9113, 11.5732



2.3485, 1.1818, 1.4165

Previews

White Background



This preview shows how the XYZ color 71.0855, 76.1735, 104.7223 looks on a white background.

Color Contrast Check

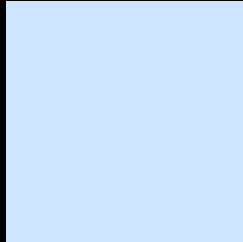
Large Text (above 18pt) WCAG AA × Fail

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 71.0855, 76.1735, 104.7223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

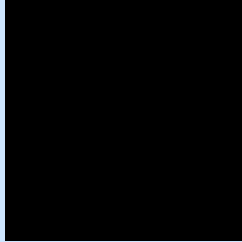
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

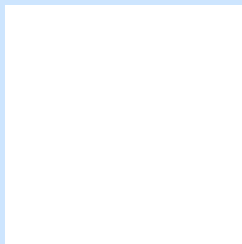
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.0855, 76.1735, 104.7223

Background



This preview shows how black text looks on a background with the XYZ color 71.0855, 76.1735, 104.7223.

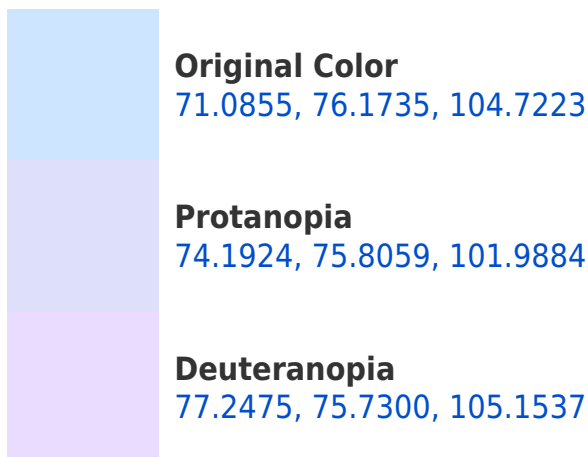


This preview shows how white text looks on a background with the XYZ color 71.0855, 76.1735,

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

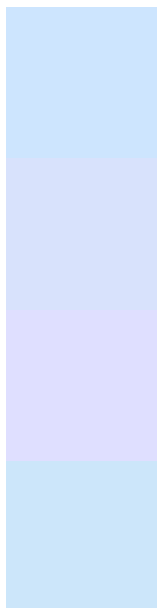




Tritanopia

70.1419, 76.2083, 99.8197

Trichromacy



Original Color

71.0855, 76.1735, 104.7223

Protanomaly

73.0859, 76.0199, 102.9167

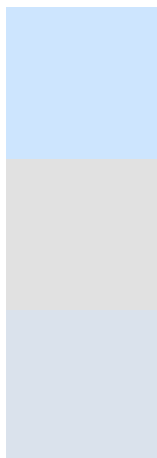
Deuteranomaly

74.8691, 75.6833, 105.2701

Tritanomaly

70.4540, 76.3331, 101.4629

Monochromacy



Original Color

71.0855, 76.1735, 104.7223

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.2501, 75.3543, 90.1464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.0855, 76.1735, 104.7223 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(205, 229, 254)` looks like.

```
.text, #text, p{  
    color:rgb(205, 229, 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(205, 229, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 229, 254) }
```

Border

The CSS property to change the border of an element to XYZ 71.0855, 76.1735, 104.7223 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(205, 229, 254) }
```


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

```
.border{ border-color:rgb(205, 229, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 229, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 229, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 229, 254);  
box-shadow:4px 4px 4px 4px rgb(205, 229,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 71.0855, 76.1735, 104.7223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 229, 254) }
```

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

```
.background{ background-color: rgb(205,  
229, 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](#).

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