

Converting Colors

XYZ(68.7738, 71.7012,
104.8227)

Have a look what the booklet for
XYZ(68.7738, 71.7012, 104.8227)
contains.

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Color

**XYZ(68.8083, 71.7703,
104.8342)**

Conversions

Conversions Part 1

Format	Color
Hex	CCDDFF
RGB	204, 221, 255
RGB Percent	80%, 87%, 100%
CMY	0.2000, 0.1333, 0.0000
CMYK	0.20, 0.13, 0.00, 0.00
HSL	220°, 100%, 90%
HSV	220°, 20%, 100%
XYZ	68.8083, 71.7703, 104.8342
YIQ	219.7930, -21.0460, 6.9700

Conversions

Conversions Part 2

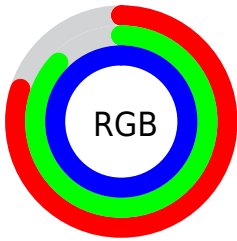
Format	Color
R_{YB}	204, 217, 255
Decimal	13426175
CIE _{Lab}	87.86, 1.29, -18.42
CIE _{LCh}	88, 18.470, 274.014
Yxy	71.7703, 0.2804, 0.2924
Android (android.graphics.Color)	4291616255 (0xFFCCDDFF)
YUV	219.7930, 17.3571, -13.8505
Hunter-Lab	84.7174, -3.2758, -14.0668

Details

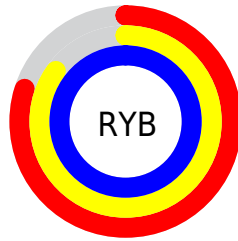
The XYZ color **68.8083, 71.7703, 104.8342** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.7134, 86.7677, 69.5168**, and the grayscale version is **67.7783, 71.3080, 77.6545**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.2237, 37.7392, 58.8013** is the 20% darker color. If you saturate the color by 10%, you get **58.1200, 59.9332, 103.1128**, and if you desaturate by 10%, it is **81.0992, 85.1118, 106.7616**.

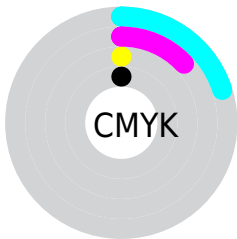
Distribution



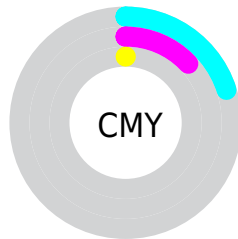
- Red (80%)
- Green (87%)
- Blue (100%)



- Red (80%)
- Yellow (85%)
- Blue (100%)



- Cyan (20%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8083, 71.7703, 104.8342 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 68.8083, 71.7703, 104.8342 by changing the saturation by 10% instead.

■ 68.8083, 71.7703,
104.8342

■ 68.8083, 71.7703,
104.8342

445.6865,
466.7417, 596.9614

■ 50.8317, 52.9711,
79.7046

116.5433,
121.7299, 169.8944

■ 36.2952, 37.7797,
58.9505

147.0324,
153.6591, 210.6620

■ 24.8334, 25.8117,
42.1536

182.4230,
190.7336, 257.4794

■ 16.0811, 16.6828,
28.8951

223.0805,
233.3380, 310.7650

■ 9.6727, 10.0086,
18.7566

269.3703,
281.8566, 370.9375

■ 5.2431, 5.4047,
11.3195

321.6576,

■ 2.4268, 2.4866,

336.6739, 438.4154

6.1653

380.3079,
398.1741, 513.6172

■ 0.8585, 0.8699,
2.8754

■ 0.0000, 0.0000,
1.0314

■ 68.8083, 71.7703,
104.8342

■ 68.8083, 71.7703,
104.8342

■ 58.1200, 59.9332,
103.1128

■ 81.0992, 85.1118,
106.7616

■ 48.9593, 49.5364,
101.5888

95.0500, 100.0000,
108.9000

■ 41.2539, 40.5236,
100.2553

■ 34.9227, 32.8308,
99.1041

■ 29.8764, 26.3889,
98.1266

■ 26.0138, 21.1207,
97.3134

■ 23.2162, 16.9388,
96.6536

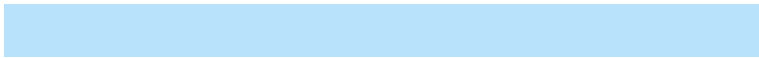
■ 21.2998, 13.7196,
96.1333

■ 21.2996, 13.7193,
96.1332

Harmonies

Analogous

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



64.5826, 71.7703, 101.9595



68.8083, 71.7703, 104.8342



73.0485, 71.7703, 99.9516

Triad

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



68.8083, 71.7703, 104.8342



75.4562, 71.7703, 65.3844



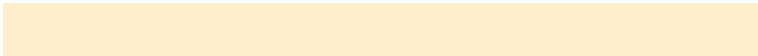
60.9038, 71.7703, 68.0225

Complementary

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



68.8083, 71.7703, 104.8342



82.7134, 86.7677, 69.5168

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.



63.6005, 71.7703, 59.7670



68.8083, 71.7703, 104.8342



71.9822, 71.7703, 58.3624

Square

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



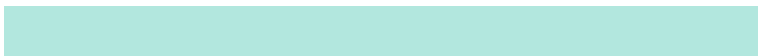
68.8083, 71.7703, 104.8342



76.9895, 71.7703, 76.4651



67.6261, 71.7703, 56.4209



60.1349, 71.7703, 79.8507

Rectangle

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



68.8083, 71.7703, 104.8342



75.2781, 71.7703, 93.2324



67.6261, 71.7703, 56.4209



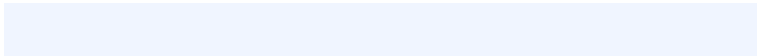
61.6091, 71.7703, 64.7811

Sweetspot

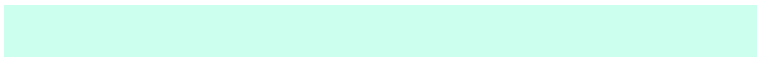
The Sweet Spot groups the original color and five complimentary colors.



68.8103, 71.7731, 104.8347



86.4756, 90.8772, 107.5910



75.9707, 90.4810, 93.6969



18.3175, 19.2462, 22.9994



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.



68.8103, 71.7731, 104.8347



64.3449, 66.8591, 104.1215



66.6948, 64.3525, 103.5138



17.4978, 18.3671, 22.8729



11.2515, 7.4125, 50.2723



1.1912, 0.9130, 4.9267

Inverse Universe

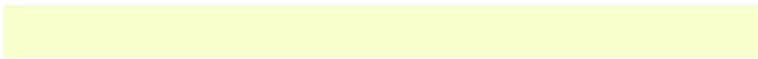
The Inverse Universe completely reimagines the original color for something new.



75.8853, 69.6677, 77.8575



72.6509, 64.6200, 72.3985



85.1409, 95.7177, 71.1164



18.2591, 18.0870, 19.9818



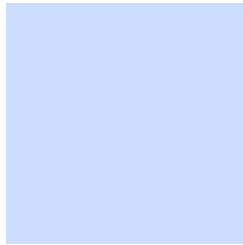
22.4674, 11.4763, 5.8459



2.2359, 1.1367, 0.8234

Previews

White Background



This preview shows how the XYZ color 68.8083, 71.7703, 104.8342 looks on a white background.

Color Contrast Check

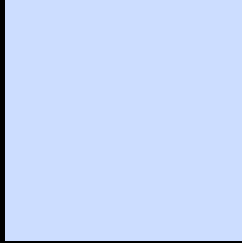
Large Text (above 18pt) WCAG AA × Fail

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 68.8083, 71.7703, 104.8342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

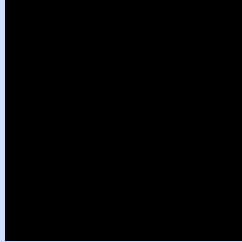
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.8083, 71.7703, 104.8342

Background



This preview shows how black text looks on a background with the XYZ color 68.8083, 71.7703, 104.8342.



This preview shows how white text looks on a background with the XYZ color 68.8083, 71.7703,

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

68.8083, 71.7703, 104.8342

Protanopia

70.5326, 71.5308, 103.0179

Deuteranopia

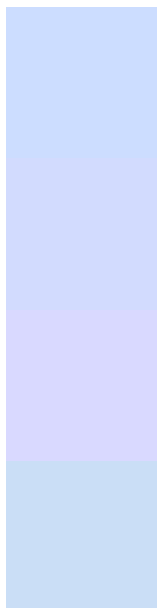
73.0909, 71.6682, 104.5888



Tritanopia

66.3523, 71.5437, 93.5313

Trichromacy



Original Color

68.8083, 71.7703, 104.8342

Protanomaly

69.7993, 71.5204, 103.8919

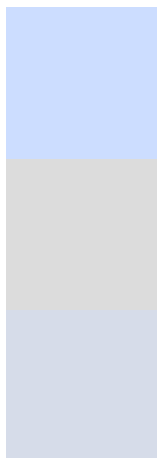
Deuteranomaly

71.4781, 71.5974, 104.6601

Tritanomaly

67.1129, 71.4529, 97.4433

Monochromacy



Original Color

68.8083, 71.7703, 104.8342

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

68.0327, 71.3657, 87.2800

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8083, 71.7703, 104.8342 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(204, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 221, 255)  
}
```

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(204, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 221, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.8083, 71.7703, 104.8342 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(204, 221, 255) }
```


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

```
.border{ border-color:rgb(204, 221, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 221, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 221,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8083, 71.7703, 104.8342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 221, 255) }
```

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

```
.background{ background-color: rgb(204,  
221, 255) }
```

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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