

Converting Colors

XYZ(71.3568, 80.6048,
100.6078)

Have a look what the booklet for
XYZ(71.3568, 80.6048, 100.6078)
contains.

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Color

**XYZ(71.3630, 80.6524,
100.6132)**

Conversions

Conversions Part 1

Format	Color
Hex	C7EFF8
RGB	199, 239, 248
RGB Percent	78%, 94%, 97%
CMY	0.2196, 0.0627, 0.0274
CMYK	0.20, 0.04, 0.00, 0.03
HSL	191°, 78%, 88%
HSV	191°, 20%, 97%
XYZ	71.3630, 80.6524, 100.6132
YIQ	228.0660, -26.7290, -5.6810

Conversions

Conversions Part 2

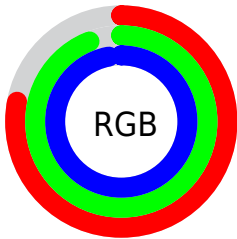
Format	Color
R_{YB}	199, 221, 248
Decimal	13103096
CIE _{Lab}	91.98, -10.97, -8.64
CIE _{LCh}	92, 13.963, 218.206
Yxy	80.6524, 0.2825, 0.3193
Android (android.graphics.Color)	4291293176 (0xFFC7EFF8)
YUV	228.0660, 9.8275, -25.4909
Hunter-Lab	89.8067, -15.3204, -3.5597

Details

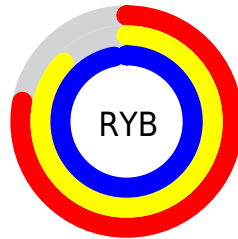
The XYZ color **71.3630, 80.6524, 100.6132** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.5769, 69.1920, 63.6175**, and the grayscale version is **73.7374, 77.5775, 84.4819**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.9495, 43.6020, 56.2851** is the 20% darker color. If you saturate the color by 10%, you get **63.9957, 74.9022, 99.8929**, and if you desaturate by 10%, it is **79.8410, 87.0292, 101.3985**.

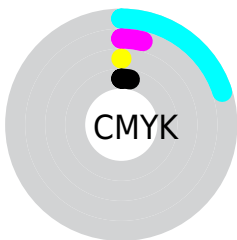
Distribution



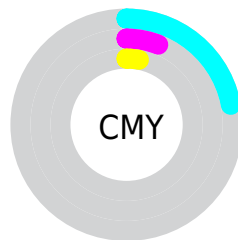
- Red (78%)
- Green (94%)
- Blue (97%)



- Red (78%)
- Yellow (87%)
- Blue (97%)



- Cyan (20%)
- Magenta (4%)
- Yellow (0%)
- Black (3%)



- Cyan (22%)
- Magenta (6%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.3630, 80.6524, 100.6132 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 71.3630, 80.6524, 100.6132 by changing the saturation by 10% instead.

71.3630, 80.6524,
100.6132

71.3630, 80.6524,
100.6132

454.5135,
497.1288, 583.4203

52.9221, 60.2554,
76.1930

120.1662,
134.2826, 164.0588

37.9678, 43.6245,
56.0832

151.2591,
168.2845, 203.9213

26.1348, 30.3754,
39.8652

187.3001,
207.5902, 249.7684

17.0577, 20.1237,
27.1205

228.6546,
252.5840, 302.0185

10.3712, 12.4850,
17.4305

275.6878,
303.6504, 361.0902

5.7099, 7.0749,
10.3767

328.7651,

2.7085, 3.5090,

361.1737, 427.4020

5.5406

388.2519,
425.5384, 501.3726

■ 1.0015, 1.4029,
2.5036

■ 0.0000, 0.2188,
0.8420

■ 71.3630, 80.6524,
100.6132

■ 71.3630, 80.6524,
100.6132

■ 63.9957, 74.9022,
99.8929

■ 79.8410, 87.0292,
101.3985

■ 57.6798, 69.7414,
99.2297

■ 89.4710, 94.0481,
102.2457

■ 52.3613, 65.1440,
98.6226

■ 93.2034, 98.0771,
102.8267

■ 47.9783, 61.0776,
98.0687

■ 93.9435, 99.5574,
103.0734

■ 44.4618, 57.5063,
97.5647

■ 41.7331, 54.3892,
97.1069

■ 39.6985, 51.6774,
96.6907

■ 38.2069, 49.2929,
96.3090

■ 38.1733, 49.2370,
96.3000

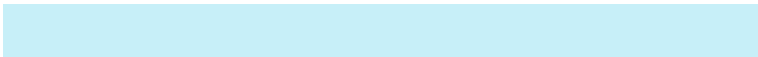
Harmonies

Analogous

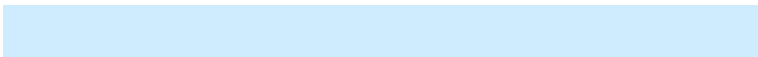
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.0297, 80.6524, 90.6672



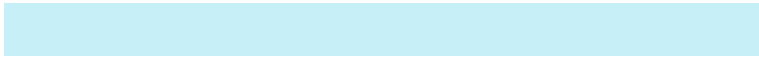
71.3630, 80.6524, 100.6132



74.1245, 80.6524, 107.4710

Triad

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



71.3630, 80.6524, 100.6132



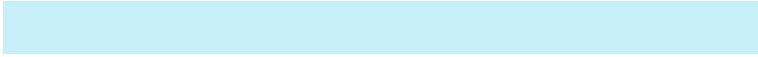
83.2440, 80.6524, 95.3591



75.6772, 80.6524, 69.6757

Complementary

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



71.3630, 80.6524, 100.6132



71.5769, 69.1920, 63.6175

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.



79.2479, 80.6524, 70.7179



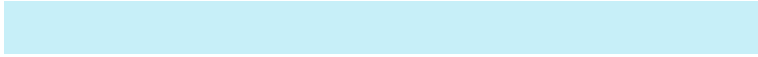
71.3630, 80.6524, 100.6132



83.6912, 80.6524, 85.0267

Square

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



71.3630, 80.6524, 100.6132



81.0045, 80.6524, 104.2766



82.2080, 80.6524, 76.1541



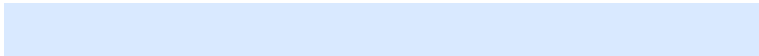
72.4692, 80.6524, 73.1871

Rectangle

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



71.3630, 80.6524, 100.6132



76.4418, 80.6524, 109.0838



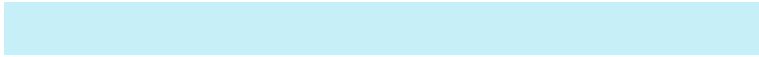
82.2080, 80.6524, 76.1541



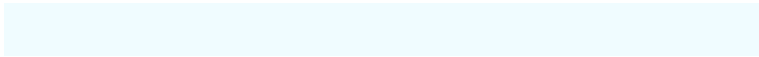
76.8739, 80.6524, 69.5107

Sweetspot

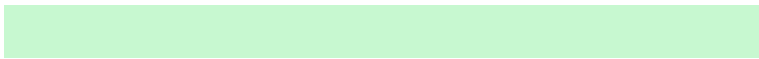
The Sweet Spot groups the original color and five complimentary colors.



71.3654, 80.6557, 100.6150



88.7537, 95.4334, 108.3504



68.5053, 83.8317, 72.2360



18.8561, 20.3236, 23.1790



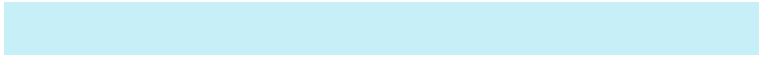
0.0000, 0.0000, 0.0000



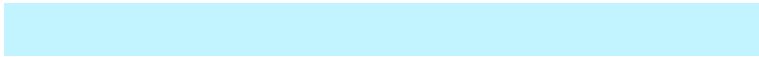
20.3446, 21.4041, 23.3091

Same Dimension

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



71.3654, 80.6557, 100.6150



72.5262, 83.2216, 106.8486



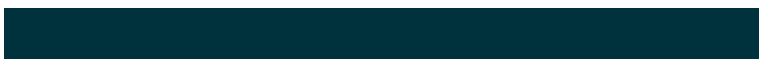
64.6756, 67.2763, 98.3851



17.4789, 19.0347, 22.1381



20.7169, 26.7895, 52.0525



1.9867, 2.6171, 4.8436

Inverse Universe

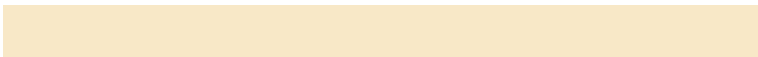
The Inverse Universe completely reimagines the original color for something new.



74.7168, 67.0372, 90.6665



76.7804, 66.2719, 94.1442



78.0145, 82.0673, 65.7633



17.8483, 17.4667, 21.0568



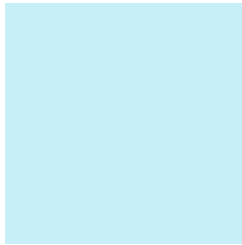
26.7490, 13.1153, 31.7162



2.5117, 1.2284, 3.1181

Previews

White Background



This preview shows how the XYZ color 71.3630, 80.6524, 100.6132 looks on a white background.

Color Contrast Check

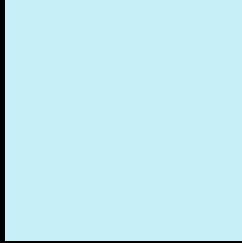
Large Text (above 18pt) WCAG AA × Fail

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 71.3630, 80.6524, 100.6132 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 71.3630, 80.6524, 100.6132

Background



This preview shows how black text looks on a background with the XYZ color 71.3630, 80.6524, 100.6132.

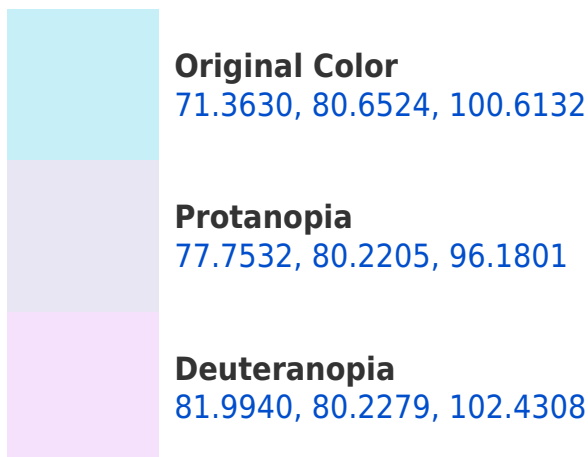


This preview shows how white text looks on a background with the XYZ color 71.3630, 80.6524,

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

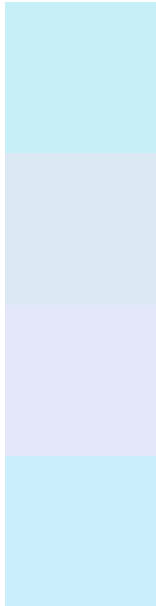




Tritanopia

72.9628, 80.4849, 106.2973

Trichromacy



Original Color

71.3630, 80.6524, 100.6132

Protanomaly

75.1355, 80.0860, 97.8843

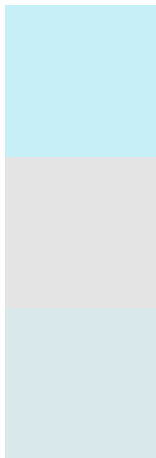
Deuteranomaly

77.5470, 79.9897, 101.7949

Tritanomaly

72.5023, 80.7339, 103.8574

Monochromacy



Original Color

71.3630, 80.6524, 100.6132

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

72.4673, 78.4631, 89.9227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.3630, 80.6524, 100.6132 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(199, 239, 248)` looks like.

```
.text, #text, p{  
    color:rgb(199, 239, 248)  
}
```

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(199, 239, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 239, 248) }
```

Border

The CSS property to change the border of an element to XYZ 71.3630, 80.6524, 100.6132 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(199, 239, 248) }
```


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

```
.border{ border-color:rgb(199, 239, 248) }
```

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

Here you see how a box with a 4 pixel rgb(199, 239, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 239, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 239, 248);  
box-shadow:4px 4px 4px 4px rgb(199, 239,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 71.3630, 80.6524, 100.6132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 239, 248) }
```

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

```
.background{ background-color: rgb(199,  
239, 248) }
```

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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