

Converting Colors

XYZ(70.1275, 77.5084, 99.8838)

Have a look what the booklet for
XYZ(70.1275, 77.5084, 99.8838)
contains.

XYZ(70.1696, 77.4726, 100.0623)	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(70.1696, 77.4726,
100.0623)**

Conversions

Conversions Part 1

Format	Color
Hex	C9E9F8
RGB	201, 233, 248
RGB Percent	79%, 91%, 97%
CMY	0.2118, 0.0863, 0.0274
CMYK	0.19, 0.06, 0.00, 0.03
HSL	199°, 77%, 88%
HSV	199°, 19%, 97%
XYZ	70.1696, 77.4726, 100.0623
YIQ	225.1420, -23.8870, -2.1190

Conversions

Conversions Part 2

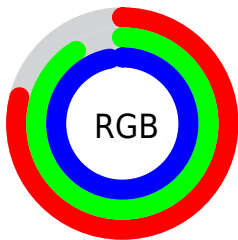
Format	Color
R_{YB}	201, 220, 248
Decimal	13232632
CIE _{Lab}	90.54, -7.32, -10.76
CIE _{LCh}	91, 13.014, 235.768
Yxy	77.4726, 0.2833, 0.3128
Android (android.graphics.Color)	4291422712 (0xFFC9E9F8)
YUV	225.1420, 11.2690, -21.1725
Hunter-Lab	88.0185, -11.7297, -5.7898

Details

The XYZ color **70.1696, 77.4726, 100.0623** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.8107, 73.2855, 65.5153**, and the grayscale version is **71.6058, 75.3349, 82.0397**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.0906, 41.3610, 55.8978** is the 20% darker color. If you saturate the color by 10%, you get **61.8437, 69.9309, 99.0467**, and if you desaturate by 10%, it is **79.6769, 85.7765, 101.1653**.

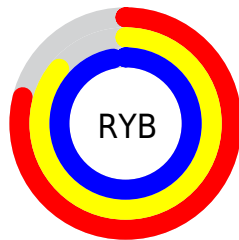
Distribution



Red (79%)

Green (91%)

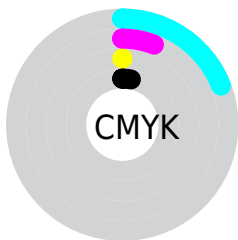
Blue (97%)



Red (79%)

Yellow (86%)

Blue (97%)

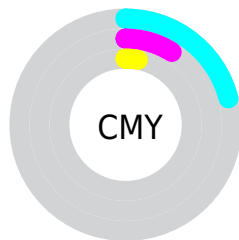


Cyan (19%)

Magenta (6%)

Yellow (0%)

Black (3%)



Cyan (21%)

Magenta (9%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1696, 77.4726, 100.0623 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 70.1696, 77.4726, 100.0623 by changing the saturation by 10% instead.

70.1696, 77.4726,
100.0623

70.1696, 77.4726,
100.0623

450.4024,
486.3739, 581.6408

51.9449, 57.6408,
75.7354

118.4755,
129.8064, 163.2954

37.1853, 41.5200,
55.7102

149.2875,
163.0772, 203.0387

25.5253, 28.7256,
39.5682

185.0259,
201.5965, 248.7579

16.5997, 18.8733,
26.8908

226.0561,
245.7487, 300.8715

10.0430, 11.5788,
17.2595

272.7436,
295.9181, 359.7980

5.4900, 6.4576,
10.2558

325.4535,

2.5752, 3.1253,

352.4892, 425.9560

5.4611

384.5513,
415.8463, 499.7641

■ 0.9333, 1.1975,
2.4568

■ 0.0000, 0.0596,
0.8171

■ 70.1696, 77.4726,
100.0623

■ 70.1696, 77.4726,
100.0623

■ 61.8437, 69.9309,
99.0467

■ 79.6769, 85.7765,
101.1653

■ 54.6395, 63.1127,
98.1103

■ 90.4080, 94.8603,
102.3530

■ 48.5021, 56.9896,
97.2519

■ 93.9435, 99.5574,
103.0733

■ 43.3691, 51.5276,
96.4682

■ 39.1710, 46.6888,
95.7555

■ 35.8288, 42.4303,
95.1097

■ 33.2492, 38.7018,
94.5260

■ 31.2940, 35.4301,
93.9975

■ 31.1067, 35.1037,
93.9444

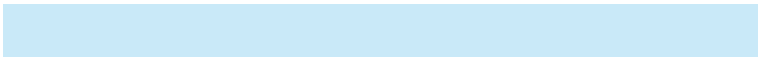
Harmonies

Analogous

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



68.1404, 77.4726, 92.3910



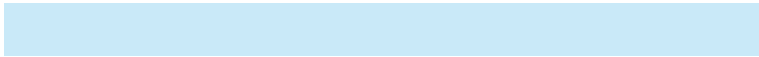
70.1696, 77.4726, 100.0623



73.1744, 77.4726, 103.5271

Triad

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



70.1696, 77.4726, 100.0623



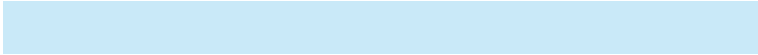
80.0565, 77.4726, 85.6845



70.9473, 77.4726, 69.2169

Complementary

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



70.1696, 77.4726, 100.0623



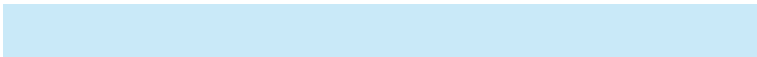
73.8107, 73.2855, 65.5153

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.



74.0983, 77.4726, 67.7084



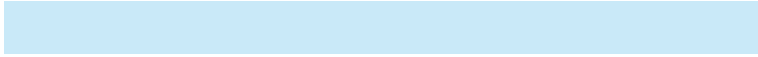
70.1696, 77.4726, 100.0623



79.4181, 77.4726, 76.7981

Square

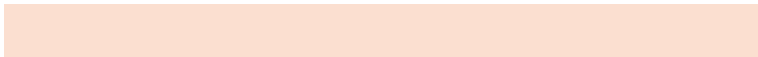
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.1696, 77.4726, 100.0623



78.9332, 77.4726, 94.8475



77.2134, 77.4726, 70.3831



68.5801, 77.4726, 74.6654

Rectangle

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



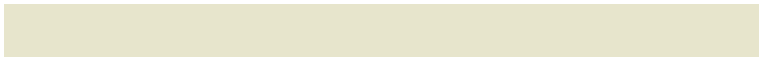
70.1696, 77.4726, 100.0623



75.3496, 77.4726, 102.8115



77.2134, 77.4726, 70.3831



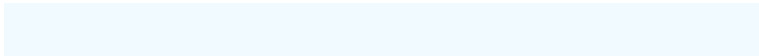
71.9473, 77.4726, 68.2502

Sweetspot

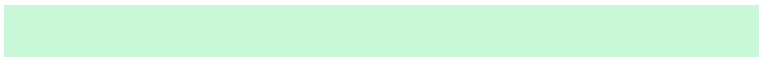
The Sweet Spot groups the original color and five complimentary colors.



70.1719, 77.4758, 100.0640



88.1057, 94.1373, 108.1344



70.0359, 84.5056, 77.5082



18.7026, 20.0166, 23.1278



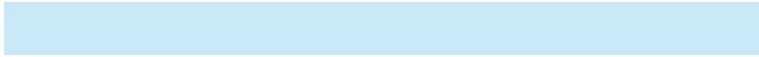
0.0000, 0.0000, 0.0000



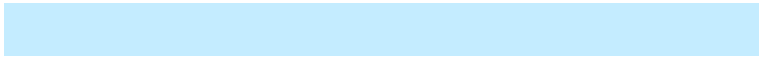
20.3446, 21.4041, 23.3091

Same Dimension

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



70.1719, 77.4758, 100.0640



70.9838, 79.1581, 106.1455



63.9844, 65.1007, 98.0015



17.2715, 18.6198, 22.0690



16.9357, 19.2270, 50.7921



1.6641, 1.9718, 4.7361

Inverse Universe

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



74.3079, 67.6148, 86.2288



76.2408, 66.9707, 88.4827



80.2343, 86.1327, 67.6565



17.7436, 17.4248, 20.5054



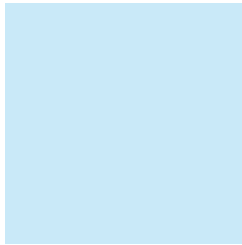
24.8404, 12.3519, 21.6657



2.3489, 1.1633, 2.2605

Previews

White Background



This preview shows how the XYZ color 70.1696, 77.4726, 100.0623 looks on a white background.

Color Contrast Check

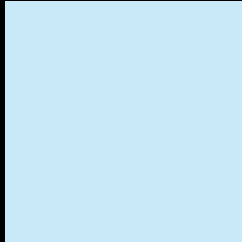
Large Text (above 18pt) WCAG AA × Fail

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 70.1696, 77.4726, 100.0623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

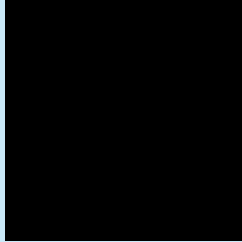
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.1696, 77.4726, 100.0623

Background



This preview shows how black text looks on a background with the XYZ color 70.1696, 77.4726, 100.0623.

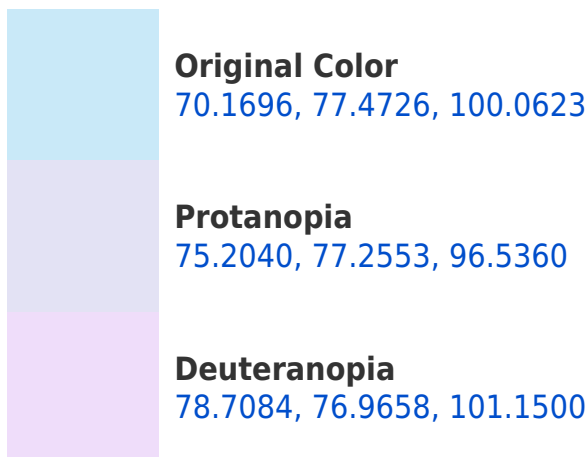


This preview shows how white text looks on a background with the XYZ color 70.1696, 77.4726,

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

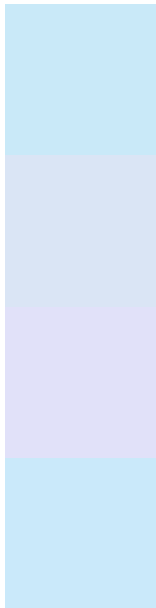




Tritanopia

70.9086, 77.7994, 102.5463

Trichromacy



Original Color

70.1696, 77.4726, 100.0623

Protanomaly

73.4142, 77.5366, 97.4829

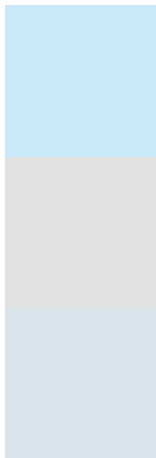
Deuteranomaly

75.0754, 76.6975, 100.4697

Tritanomaly

70.7514, 77.7365, 101.7181

Monochromacy



Original Color

70.1696, 77.4726, 100.0623

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.7703, 75.9689, 88.0243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1696, 77.4726, 100.0623 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(201, 233, 248)` looks like.

```
.text, #text, p{  
    color:rgb(201, 233, 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(201, 233, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 233, 248) }
```

Border

The CSS property to change the border of an element to XYZ 70.1696, 77.4726, 100.0623 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(201, 233, 248) }
```


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

```
.border{ border-color:rgb(201, 233, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 233, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 233, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 233, 248);  
box-shadow:4px 4px 4px 4px rgb(201, 233,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1696, 77.4726, 100.0623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 233, 248) }
```

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

```
.background{ background-color: rgb(201,  
233, 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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