

Converting Colors

XYZ(71.5757, 77.4689,
104.7192)

Have a look what the booklet for
XYZ(71.5757, 77.4689, 104.7192)
contains.

XYZ(71.6478, 77.7064, 104.9885)	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(71.6478, 77.7064,
104.9885)**

Conversions

Conversions Part 1

Format	Color
Hex	CCE8FE
RGB	204, 232, 254
RGB Percent	80%, 91%, 100%
CMY	0.2000, 0.0902, 0.0039
CMYK	0.20, 0.09, 0.00, 0.00
HSL	206°, 96%, 90%
HSV	206°, 20%, 100%
XYZ	71.6478, 77.7064, 104.9885
YIQ	226.1360, -23.7500, 0.9060

Conversions

Conversions Part 2

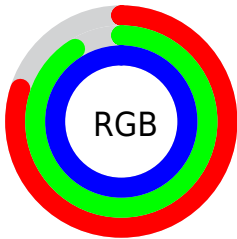
Format	Color
R_{YB}	204, 222, 254
Decimal	13428990
CIE _{Lab}	90.65, -4.63, -13.71
CIE _{LCh}	91, 14.475, 251.342
Yxy	77.7064, 0.2817, 0.3055
Android (android.graphics.Color)	4291619070 (0xFFCCE8FE)
YUV	226.1360, 13.7370, -19.4133
Hunter-Lab	88.1512, -9.1829, -8.9088

Details

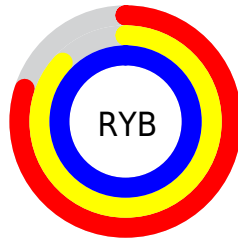
The XYZ color **71.6478, 77.7064, 104.9885** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.9690, 79.8230, 68.3735**, and the grayscale version is **72.3051, 76.0706, 82.8408**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.9978, 41.4714, 58.8254** is the 20% darker color. If you saturate the color by 10%, you get **62.1999, 68.3157, 103.6751**, and if you desaturate by 10%, it is **82.4357, 88.0888, 106.4252**.

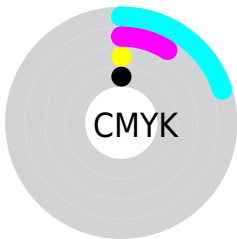
Distribution



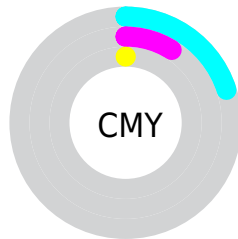
- Red (80%)
- Green (91%)
- Blue (100%)



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



- Cyan (20%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.6478, 77.7064, 104.9885 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 71.6478, 77.7064, 104.9885 by changing the saturation by 10% instead.

71.6478, 77.7064,
104.9885

71.6478, 77.7064,
104.9885

455.4915,
487.1692, 597.4533

53.1555, 57.8328,
79.8331

120.5692,
130.1362, 170.1072

38.1549, 41.6743,
59.0557

151.7289,
163.4611, 210.9077

26.2807, 28.8463,
42.2376

187.8418,
202.0387, 257.7602

17.1675, 18.9646,
28.9605

229.2733,
246.2532, 311.0834

10.4500, 11.6447,
18.8056

276.3886,
296.4892, 371.2958

5.7629, 6.5022,
11.3545

329.5532,

2.7407, 3.1528,

353.1309, 438.8158

6.1886

389.1323,
416.5627, 514.0622

■ 1.0182, 1.2120,
2.8895

■ 0.0000, 0.0715,
1.0385

■ 71.6478, 77.7064,
104.9885

■ 71.6478, 77.7064,
104.9885

■ 62.1999, 68.3157,
103.6751

■ 82.4357, 88.0888,
106.4252

■ 54.0264, 59.8713,
102.4760

94.6113, 99.4869,
107.9835

■ 47.0663, 52.3383,
101.3888

94.8896, 99.9359,
108.0555

■ 41.2503, 45.6752,
100.4092

■ 36.5017, 39.8364,
99.5325

■ 32.7329, 34.7705,
98.7533

■ 29.8407, 30.4179,
98.0656

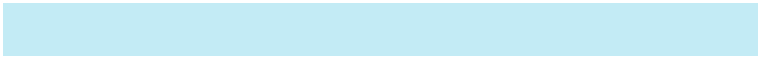
■ 27.6635, 26.6887,
97.4606

■ 27.6008, 26.5783,
97.4426

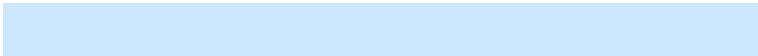
Harmonies

Analogous

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



68.7420, 77.7064, 98.5067



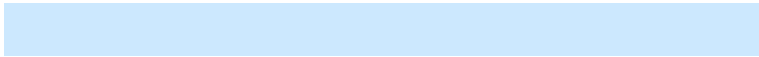
71.6478, 77.7064, 104.9885



75.2383, 77.7064, 105.7525

Triad

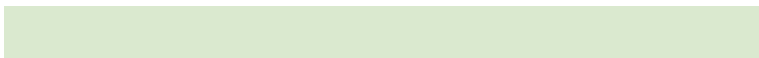
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.6478, 77.7064, 104.9885



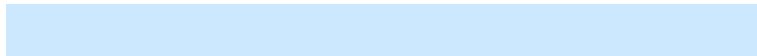
80.9120, 77.7064, 80.7399



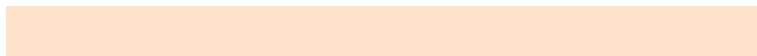
69.3440, 77.7064, 70.4758

Complementary

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



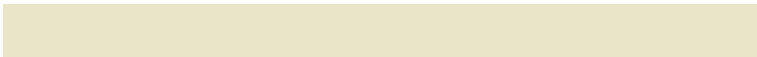
71.6478, 77.7064, 104.9885



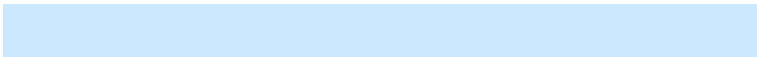
78.9690, 79.8230, 68.3735

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.



72.4939, 77.7064, 66.4902



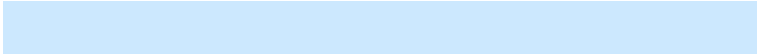
71.6478, 77.7064, 104.9885



79.2209, 77.7064, 72.0842

Square

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



71.6478, 77.7064, 104.9885



80.6674, 77.7064, 91.1643



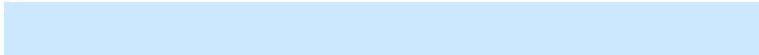
76.1124, 77.7064, 67.0538



67.4423, 77.7064, 78.3758

Rectangle

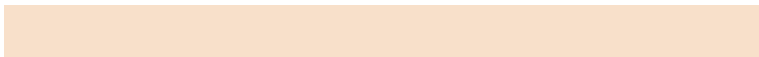
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



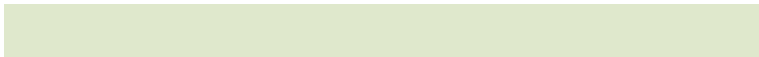
71.6478, 77.7064, 104.9885



77.5465, 77.7064, 102.8489



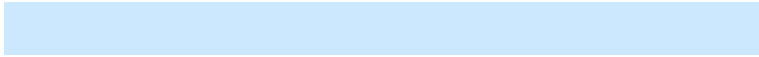
76.1124, 77.7064, 67.0538



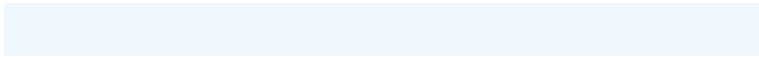
70.2876, 77.7064, 68.6642

Sweetspot

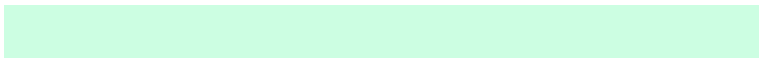
The Sweet Spot groups the original color and five complimentary colors.



71.6501, 77.7096, 104.9903



87.5336, 92.9931, 107.9437



74.0268, 89.1951, 85.0281



18.5673, 19.7460, 23.0827



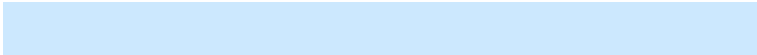
0.0000, 0.0000, 0.0000



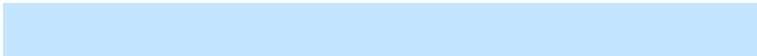
20.3446, 21.4041, 23.3091

Same Dimension

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



71.6501, 77.7096, 104.9903



68.0111, 74.1914, 105.3435



65.1864, 64.7820, 102.8357



17.8470, 19.0655, 22.9893



14.7009, 14.3113, 51.4221



1.5403, 1.6112, 5.0431

Inverse Universe

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



77.0332, 70.0845, 85.8152



74.5014, 65.3603, 82.1431



86.1666, 94.2181, 70.7727



18.4354, 18.1575, 20.9100



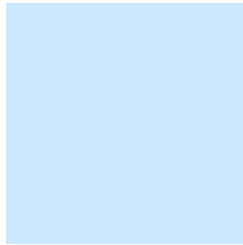
24.2085, 12.1727, 15.0144



2.4121, 1.2072, 1.7513

Previews

White Background



This preview shows how the XYZ color 71.6478, 77.7064, 104.9885 looks on a white background.

Color Contrast Check

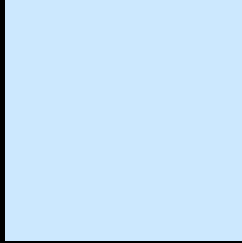
Large Text (above 18pt) WCAG AA × Fail

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 71.6478, 77.7064, 104.9885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

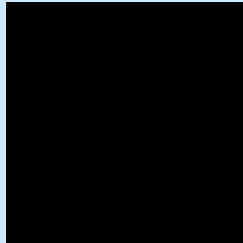
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

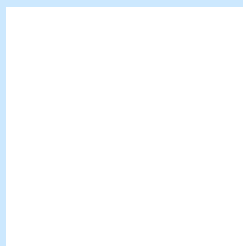
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.6478, 77.7064, 104.9885

Background



This preview shows how black text looks on a background with the XYZ color 71.6478, 77.7064, 104.9885.



This preview shows how white text looks on a background with the XYZ color 71.6478, 77.7064,

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

71.6478, 77.7064, 104.9885

Protanopia

75.5030, 77.3024, 101.3839

Deuteranopia

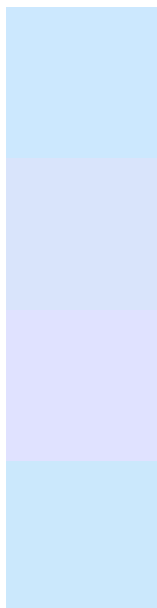
78.7633, 77.2954, 105.3760



Tritanopia

70.8978, 77.3748, 102.4649

Trichromacy



Original Color

71.6478, 77.7064, 104.9885

Protanomaly

73.7713, 77.2036, 102.2804

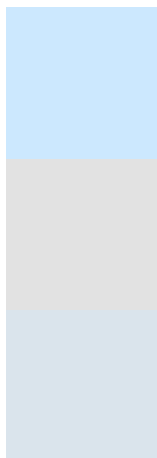
Deuteranomaly

75.9868, 77.4600, 105.5541

Tritanomaly

71.0559, 77.4380, 103.2974

Monochromacy



Original Color

71.6478, 77.7064, 104.9885

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.7972, 76.4484, 90.3288

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.6478, 77.7064, 104.9885 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, 232, 254)` looks like.

```
.text, #text, p{  
    color:rgb(204, 232, 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(204, 232, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 232, 254) }
```

Border

The CSS property to change the border of an element to XYZ 71.6478, 77.7064, 104.9885 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, 232, 254) }
```


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

```
.border{ border-color:rgb(204, 232, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 232, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 232, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 232, 254);  
box-shadow:4px 4px 4px 4px rgb(204, 232,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 71.6478, 77.7064, 104.9885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 232, 254) }
```

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

```
.background{ background-color: rgb(204,  
232, 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