

# Converting Colors

XYZ(71.5857, 77.2864,  
105.7525)

Have a look what the booklet for  
XYZ(71.5857, 77.2864, 105.7525)  
contains.

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# Color

**XYZ(71.5278, 77.2092,  
105.7407)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCE7FF
RGB	204, 231, 255
RGB Percent	80%, 91%, 100%
CMY	0.2000, 0.0941, 0.0000
CMYK	0.20, 0.09, 0.00, 0.00
HSL	208°, 100%, 90%
HSV	208°, 20%, 100%
XYZ	71.5278, 77.2092, 105.7407
YIQ	225.6630, -23.7960, 1.7400

# Conversions

## Conversions Part 2

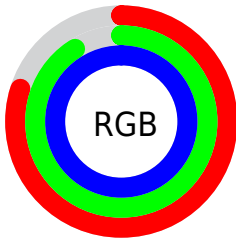
<b>Format</b>	<b>Color</b>
<b>RYB</b>	204, 222, 255
Decimal	13428735
CIELab	90.42, -3.90, -14.58
CIELCh	90, 15.092, 255.013
Yxy	77.2092, 0.2811, 0.3034
Android (android.graphics.Color)	4291618815 (0xFFCCE7FF)
YUV	225.6630, 14.4631, -18.9985
Hunter-Lab	87.8688, -8.4660, -9.8411

# Details

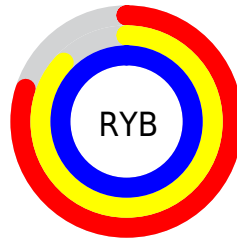
The XYZ color **71.5278, 77.2092, 105.7407** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.8824, 81.1056, 68.5733**, and the grayscale version is **71.9585, 75.7059, 82.4437**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.9174, 41.1267, 59.3659** is the 20% darker color. If you saturate the color by 10%, you get **61.8589, 67.4110, 104.3590**, and if you desaturate by 10%, it is **82.5753, 88.0639, 107.2536**.

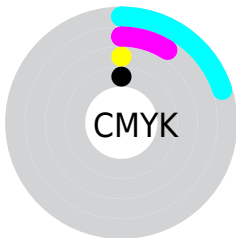
# Distribution



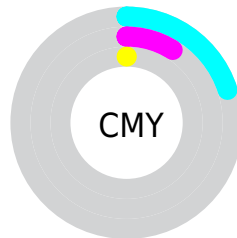
- Red (80%)
- Green (91%)
- Blue (100%)



- 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 71.5278, 77.2092, 105.7407 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 71.5278, 77.2092, 105.7407 by changing the saturation by 10% instead.



■ 71.5278, 77.2092,  
105.7407

■ 71.5278, 77.2092,  
105.7407

455.0796,  
485.4770, 599.8484

■ 53.0571, 57.4246,  
80.4599

120.3994,  
129.4347, 171.1445

■ 38.0760, 41.3462,  
59.5685

151.5310,  
162.6445, 212.1047

■ 26.2192, 28.5897,  
42.6479

187.6136,  
201.0980, 259.1283

■ 17.1212, 18.7707,  
29.2796

229.0126,  
245.1798, 312.6340

■ 10.4168, 11.5047,  
19.0450

276.0934,  
295.2742, 373.0404

■ 5.7405, 6.4074,  
11.5257

329.2212,

■ 2.7271, 3.0943,

351.7656, 440.7658

6.3030

388.7615,  
415.0384, 516.2290

■ 1.0112, 1.1812,  
2.9584

■ 0.0000, 0.0463,  
1.0734

■ 71.5278, 77.2092,  
105.7407

■ 71.5278, 77.2092,  
105.7407

■ 61.8589, 67.4110,  
104.3590

■ 82.5753, 88.0639,  
107.2536

■ 53.5022, 58.6221,  
103.1031

95.0500, 100.0000,  
108.9000

■ 46.3948, 50.8053,  
101.9689

■ 40.4657, 43.9166,  
100.9517

■ 35.6360, 37.9079,  
100.0465

■ 31.8161, 32.7252,  
99.2475

■ 28.8997, 28.3057,  
98.5481

■ 26.7165, 24.5530,  
97.9388

■ 26.7163, 24.5526,  
97.9388

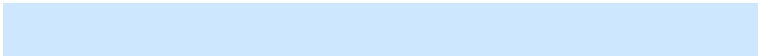
# Harmonies

## Analogous

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



68.3826, 77.2092, 99.6095



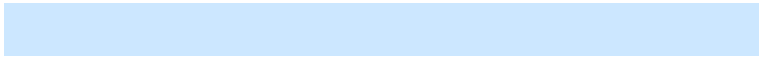
71.5278, 77.2092, 105.7407



75.2774, 77.2092, 105.7379

# Triad

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



71.5278, 77.2092, 105.7407



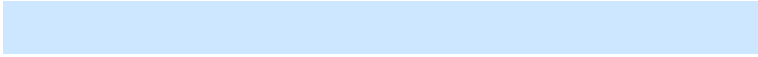
80.6058, 77.2092, 78.8078



68.3804, 77.2092, 70.2388

# Complementary

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



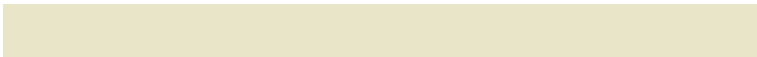
71.5278, 77.2092, 105.7407



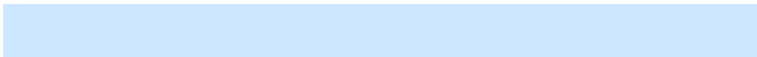
79.8824, 81.1056, 68.5733

# 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.



71.5247, 77.2092, 65.5811



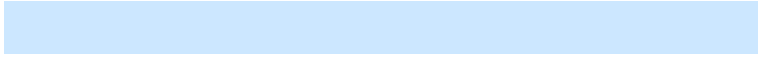
71.5278, 77.2092, 105.7407



78.6257, 77.2092, 70.2329

# Square

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



71.5278, 77.2092, 105.7407



80.6067, 77.2092, 89.5471



75.2741, 77.2092, 65.5790

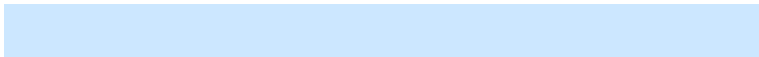


66.6081, 77.2092, 78.8165



# Rectangle

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



71.5278, 77.2092, 105.7407



77.6199, 77.2092, 102.2280



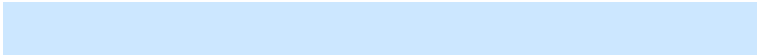
75.2741, 77.2092, 65.5790



69.3070, 77.2092, 68.1965

# Sweetspot

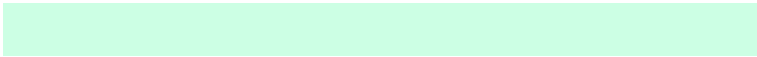
The Sweet Spot groups the original color and five complimentary colors.



71.5299, 77.2123, 105.7412



87.3897, 92.7053, 107.8957



74.6387, 89.9482, 86.6823



18.5333, 19.6779, 23.0714



0.0000, 0.0000, 0.0000

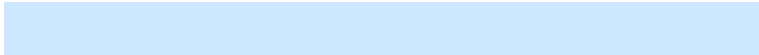


20.3446, 21.4041, 23.3091

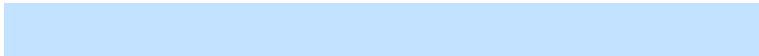


# Same Dimension

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



71.5299, 77.2123, 105.7412



67.4987, 73.1666, 105.1727



64.9525, 64.0575, 103.5487



17.7992, 18.9701, 22.9734



14.1107, 13.1310, 51.2254



1.4833, 1.4974, 5.0241



# Inverse Universe

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



77.2580, 70.2169, 85.0861



74.2428, 65.2568, 80.7812



87.3595, 96.0600, 71.0657



18.4113, 18.1478, 20.7831



23.9106, 12.0535, 13.4458

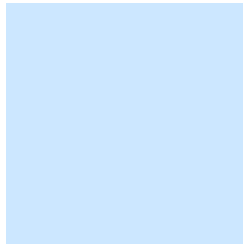


2.3833, 1.1957, 1.6000



# Previews

## White Background



This preview shows how the XYZ color 71.5278, 77.2092, 105.7407 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

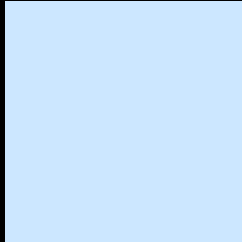
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.5278, 77.2092, 105.7407 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

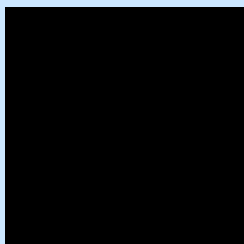
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

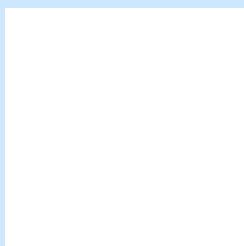
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.5278, 77.2092, 105.7407**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.5278, 77.2092, 105.7407.



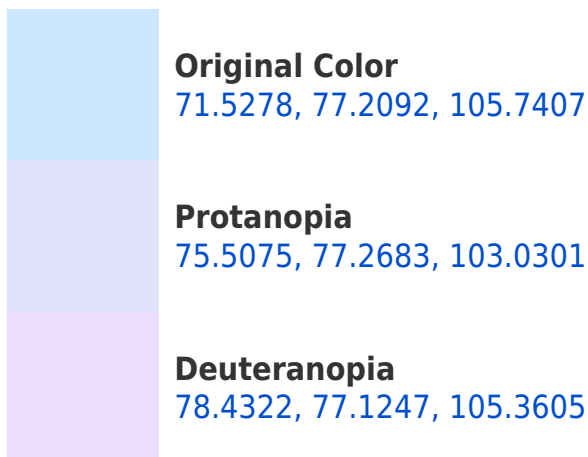
This preview shows how white text looks on a background with the XYZ color 71.5278, 77.2092,



# 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

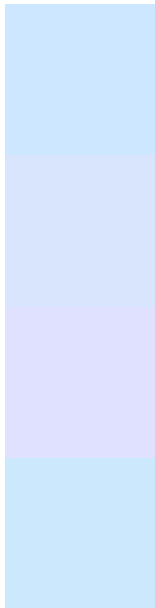




## Tritanopia

70.7405, 77.3119, 101.6367

# Trichromacy



## Original Color

71.5278, 77.2092, 105.7407

## Protanomaly

74.0883, 77.3304, 103.9499

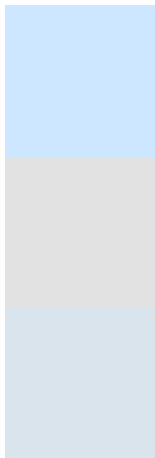
## Deuteranomaly

75.7157, 76.9177, 105.4637

## Tritanomaly

71.0559, 77.4380, 103.2974

# Monochromacy



## Original Color

71.5278, 77.2092, 105.7407

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

71.9429, 76.5067, 91.0962

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.5278, 77.2092, 105.7407 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, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 231, 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, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 231, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 71.5278, 77.2092, 105.7407 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, 231, 255) }
```



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

```
.border{ border-color:rgb(204, 231, 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, 231, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 231,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.5278, 77.2092, 105.7407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 231, 255) }
```

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

```
.background{ background-color: rgb(204,  
231, 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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