

Converting Colors

XYZ(70.8354, 77.2377,
105.7827)

Have a look what the booklet for
XYZ(70.8354, 77.2377, 105.7827)
contains.

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Color

**XYZ(70.7260, 77.2126,
105.7836)**

Conversions

Conversions Part 1

Format	Color
Hex	C8E8FF
RGB	200, 232, 255
RGB Percent	78%, 91%, 100%
CMY	0.2157, 0.0902, 0.0000
CMYK	0.22, 0.09, 0.00, 0.00
HSL	205°, 100%, 89%
HSV	205°, 22%, 100%
XYZ	70.7260, 77.2126, 105.7836
YIQ	225.0540, -26.4550, 0.3690

Conversions

Conversions Part 2

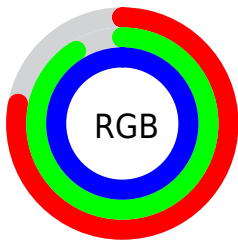
Format	Color
R_{YB}	200, 220, 255
Decimal	13166847
CIE _{Lab}	90.42, -5.62, -14.60
CIE _{LCh}	90, 15.645, 248.966
Yxy	77.2126, 0.2788, 0.3043
Android (android.graphics.Color)	4291356927 (0xFFC8E8FF)
YUV	225.0540, 14.7634, -21.9724
Hunter-Lab	87.8707, -10.1014, -9.8671

Details

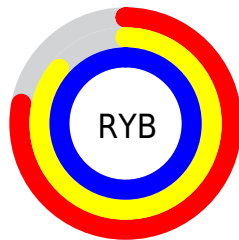
The XYZ color **70.7260, 77.2126, 105.7836** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.0527, 78.2045, 65.6264**, and the grayscale version is **71.5195, 75.2440, 81.9408**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.3954, 41.1476, 59.3974** is the 20% darker color. If you saturate the color by 10%, you get **61.5648, 68.1707, 104.5212**, and if you desaturate by 10%, it is **81.2092, 87.2103, 107.1608**.

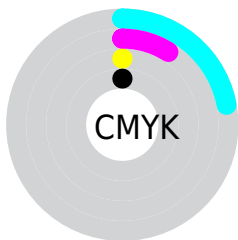
Distribution



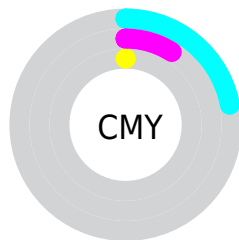
- Red (78%)
- Green (91%)
- Blue (100%)



- Red (78%)
- Yellow (86%)
- Blue (100%)



- Cyan (22%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7260, 77.2126, 105.7836 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 70.7260, 77.2126, 105.7836 by changing the saturation by 10% instead.

70.7260, 77.2126,
105.7836

70.7260, 77.2126,
105.7836

452.3218,
485.4886, 599.9849

52.4004, 57.4274,
80.4957

119.2641,
129.4395, 171.2037

37.5498, 41.3485,
59.5978

150.2073,
162.6501, 212.1729

25.8091, 28.5915,
42.6713

186.0871,
201.1045, 259.2063

16.8128, 18.7720,
29.2978

227.2688,
245.1871, 312.7224

10.1956, 11.5056,
19.0587

274.1177,
295.2825, 373.1398

5.5921, 6.4080,
11.5355

326.9993,

2.6370, 3.0947,

351.7749, 440.8770

6.3095

386.2789,
415.0488, 516.3525

■ 0.9648, 1.1814,
2.9624

■ 0.0000, 0.0464,
1.0755

■ 70.7260, 77.2126,
105.7836

■ 70.7260, 77.2126,
105.7836

■ 61.5648, 68.1707,
104.5212

■ 81.2092, 87.2103,
107.1608

■ 53.6600, 60.0400,
103.3684

■ 93.0637, 98.1880,
108.6549

■ 46.9492, 52.7855,
102.3219

■ 95.0500, 100.0000,
108.9000

■ 41.3618, 46.3658,
101.3772

■ 36.8192, 40.7352,
100.5299

■ 33.2312, 35.8419,
99.7745

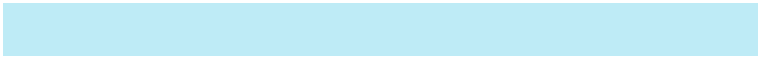
■ 30.4899, 31.6247,
99.1049

■ 28.6997, 28.5194,
98.5999

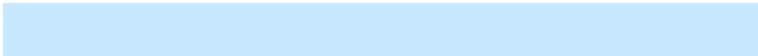
Harmonies

Analogous

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



67.7033, 77.2126, 98.3334



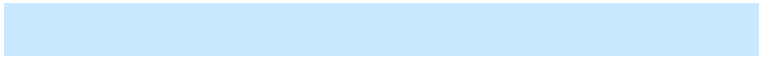
70.7260, 77.2126, 105.7836



74.5648, 77.2126, 107.1532

Triad

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



70.7260, 77.2126, 105.7836



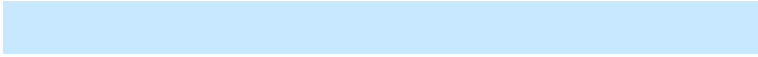
81.0582, 77.2126, 80.7641



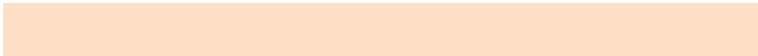
68.7667, 77.2126, 68.4347

Complementary

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



70.7260, 77.2126, 105.7836



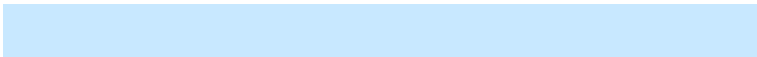
78.0527, 78.2045, 65.6264

Split Complementary

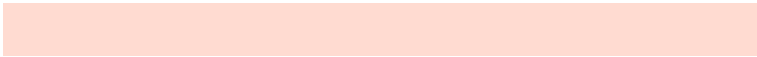
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.2242, 77.2126, 64.5678



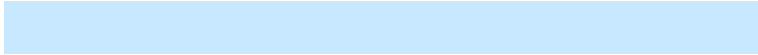
70.7260, 77.2126, 105.7836



79.3828, 77.2126, 71.2597

Square

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



70.7260, 77.2126, 105.7836



80.6224, 77.2126, 92.0286



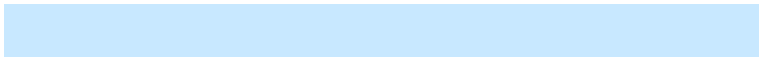
76.1165, 77.2126, 65.5541



66.6003, 77.2126, 76.5866

Rectangle

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



70.7260, 77.2126, 105.7836



77.0852, 77.2126, 104.3250



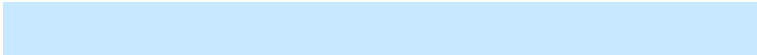
76.1165, 77.2126, 65.5541



69.8114, 77.2126, 66.6250

Sweetspot

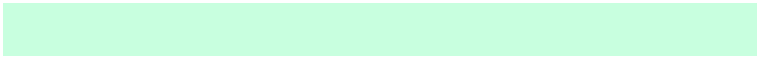
The Sweet Spot groups the original color and five complimentary colors.



70.7281, 77.2156, 105.7841



87.6365, 93.1989, 107.9780



72.8884, 89.1230, 83.1151



18.5916, 19.7946, 23.0908



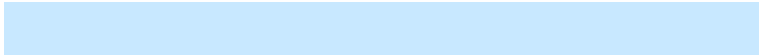
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



70.7281, 77.2156, 105.7841



66.5074, 73.0914, 105.2105



63.6025, 62.9644, 103.4089



17.8811, 19.1339, 23.0007



15.1472, 15.2039, 51.5709



1.5828, 1.6964, 5.0573

Inverse Universe

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



76.4611, 68.3963, 85.5194



73.2768, 63.0877, 81.1901



85.9809, 94.0609, 68.2691



18.4527, 18.1644, 21.0008



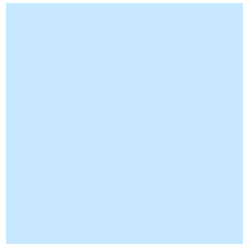
24.4338, 12.2628, 16.2006



2.4336, 1.2158, 1.8645

Previews

White Background



This preview shows how the XYZ color 70.7260, 77.2126, 105.7836 looks on a white background.

Color Contrast Check

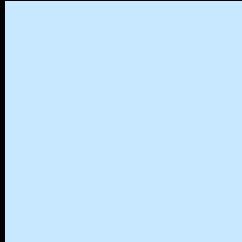
Large Text (above 18pt) WCAG AA × Fail

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 70.7260, 77.2126, 105.7836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

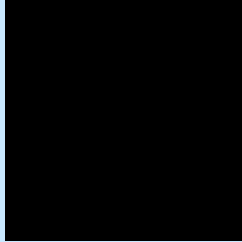
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

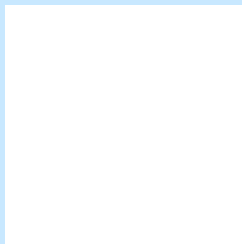
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.7260, 77.2126, 105.7836

Background



This preview shows how black text looks on a background with the XYZ color 70.7260, 77.2126, 105.7836.



This preview shows how white text looks on a background with the XYZ color 70.7260, 77.2126,

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

70.7260, 77.2126, 105.7836

Protanopia

75.3494, 77.2050, 102.1975

Deuteranopia

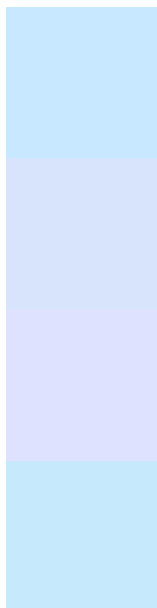
78.1030, 76.9550, 105.3451



Tritanopia

70.1047, 77.3850, 102.5087

Trichromacy



Original Color

70.7260, 77.2126, 105.7836

Protanomaly

73.3384, 76.9622, 103.0853

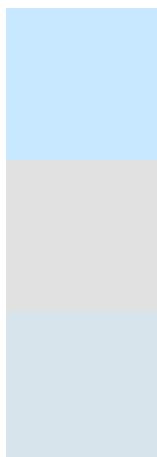
Deuteranomaly

75.3706, 77.1423, 105.5252

Tritanomaly

70.2628, 77.4482, 103.3412

Monochromacy



Original Color

70.7260, 77.2126, 105.7836

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.2026, 76.1419, 90.3009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7260, 77.2126, 105.7836 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(200, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 232, 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(200, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 232, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.7260, 77.2126, 105.7836 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(200, 232, 255) }
```


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

```
.border{ border-color:rgb(200, 232, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 232,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7260, 77.2126, 105.7836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 232, 255) }
```

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

```
.background{ background-color: rgb(200,  
232, 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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