

Converting Colors

XYZ(75.2234, 78.3458,
130.8638)

Have a look what the booklet for
XYZ(75.2234, 78.3458, 130.8638)
contains.

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Color

**XYZ(70.4342, 76.2311,
105.6095)**

Conversions

Conversions Part 1

Format	Color
Hex	C9E6FF
RGB	201, 230, 255
RGB Percent	79%, 90%, 100%
CMY	0.2118, 0.0980, 0.0000
CMYK	0.21, 0.10, 0.00, 0.00
HSL	208°, 100%, 89%
HSV	208°, 21%, 100%
XYZ	70.4342, 76.2311, 105.6095
YIQ	224.1790, -25.3090, 1.6270

Conversions

Conversions Part 2

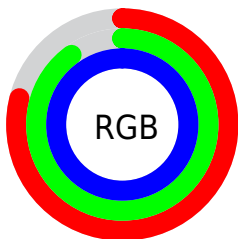
Format	Color
R _Y B	201, 220, 255
Decimal	13231871
CIE Lab	89.97, -4.29, -15.27
CIE LCh	90, 15.865, 254.322
Yxy	76.2311, 0.2792, 0.3022
Android (android.graphics.Color)	4291421951 (0xFFC9E6FF)
YUV	224.1790, 15.1948, -20.3280
Hunter-Lab	87.3104, -8.7955, -10.5991

Details

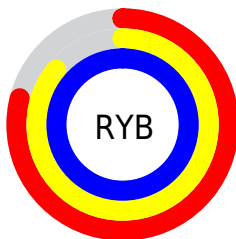
The XYZ color **70.4342, 76.2311, 105.6095** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.9788, 79.8689, 66.5137**, and the grayscale version is **70.8890, 74.5807, 81.2184**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.3771, 40.8482, 59.3406** is the 20% darker color. If you saturate the color by 10%, you get **60.9658, 66.6392, 104.2572**, and if you desaturate by 10%, it is **81.2672, 86.8606, 107.0903**.

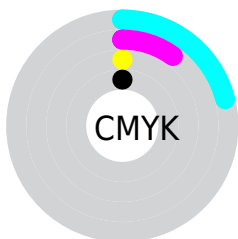
Distribution



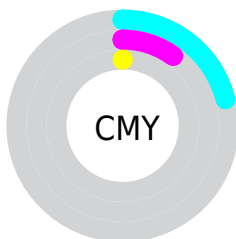
- Red (79%)
- Green (90%)
- Blue (100%)



- Red (79%)
- Yellow (86%)
- Blue (100%)



- Cyan (21%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.4342, 76.2311, 105.6095 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 70.4342, 76.2311, 105.6095 by changing the saturation by 10% instead.

70.4342, 76.2311,
105.6095

70.4342, 76.2311,
105.6095

451.3158,
482.1384, 599.4310

52.1615, 56.6220,
80.3506

118.8506,
128.0535, 170.9637

37.3586, 40.7019,
59.4790

149.7251,
161.0357, 211.8960

25.6602, 28.0862,
42.5763

185.5308,
199.2443, 258.8898

16.7009, 18.3906,
29.2239

226.6331,
243.0638, 312.3637

10.1155, 11.2308,
19.0032

273.3974,
292.8786, 372.7363

5.5384, 6.2223,
11.4958

326.1890,

2.6045, 2.9807,

349.0730, 440.4260

6.2830

385.3734,
412.0315, 515.8514

■ 0.9482, 1.1217,
2.9463

■ 0.0000, 0.0000,
1.0673

■ 70.4342, 76.2311,
105.6095

■ 70.4342, 76.2311,
105.6095

■ 60.9658, 66.6392,
104.2572

■ 81.2672, 86.8606,
107.0903

■ 52.7951, 58.0381,
103.0276

■ 93.5149, 98.5540,
108.7018

■ 45.8590, 50.3906,
101.9171

■ 95.0500, 100.0000,
108.9000

■ 40.0858, 43.6526,
100.9208

■ 35.3959, 37.7762,
100.0337

■ 31.6983, 32.7069,
99.2501

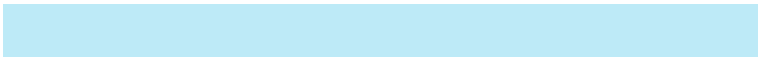
■ 28.8845, 28.3811,
98.5635

■ 26.9900, 25.0999,
98.0300

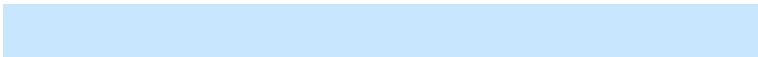
Harmonies

Analogous

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



67.1871, 76.2311, 99.0450



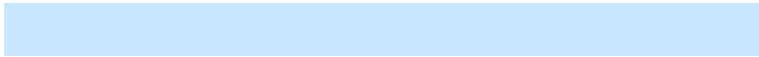
70.4342, 76.2311, 105.6095



74.3390, 76.2311, 105.7652

Triad

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



70.4342, 76.2311, 105.6095



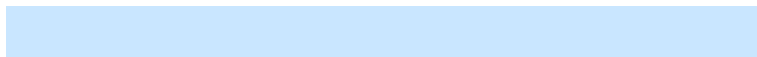
80.0196, 76.2311, 77.7682



67.3074, 76.2311, 68.4746

Complementary

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



70.4342, 76.2311, 105.6095



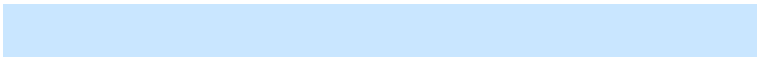
78.9788, 79.8689, 66.5137

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.



70.6038, 76.2311, 63.7656



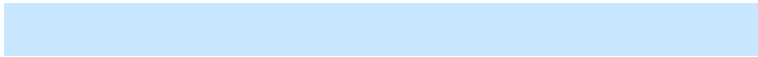
70.4342, 76.2311, 105.6095



77.9921, 76.2311, 68.7935

Square

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



70.4342, 76.2311, 105.6095



79.9702, 76.2311, 88.9841



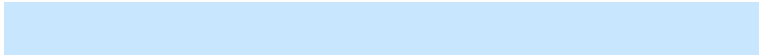
74.5148, 76.2311, 63.8768



65.4268, 76.2311, 77.2956

Rectangle

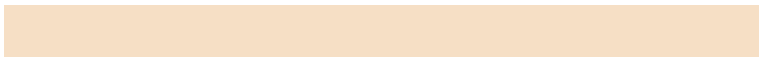
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.4342, 76.2311, 105.6095



76.7962, 76.2311, 102.1716



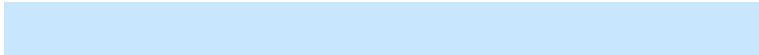
74.5148, 76.2311, 63.8768



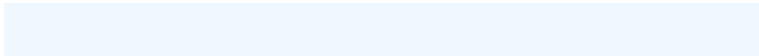
68.2813, 76.2311, 66.3952

Sweetspot

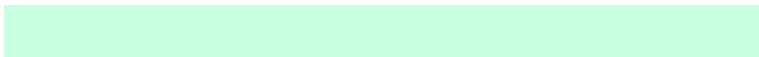
The Sweet Spot groups the original color and five complimentary colors.



70.4363, 76.2341, 105.6100



87.4255, 92.7769, 107.9077



73.4800, 89.3906, 84.8314



18.5418, 19.6949, 23.0742



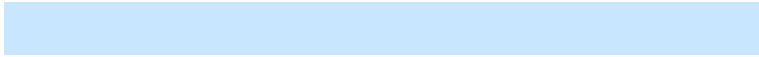
0.0000, 0.0000, 0.0000



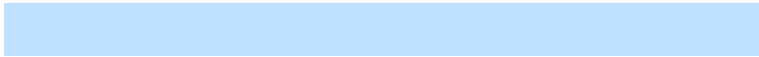
20.3446, 21.4041, 23.3091

Same Dimension

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



70.4363, 76.2341, 105.6100



66.6567, 72.4446, 105.0778



63.6604, 62.6825, 103.3514



17.8111, 18.9938, 22.9774



14.2540, 13.4175, 51.2732



1.4972, 1.5251, 5.0287

Inverse Universe

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



76.4109, 68.7481, 84.1087



73.5829, 64.0938, 80.0782



86.6877, 95.2867, 69.0834



18.4173, 18.1502, 20.8147



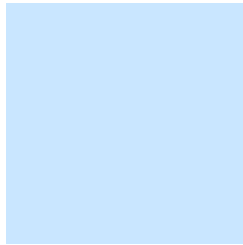
23.9829, 12.0825, 13.8265



2.3903, 1.1985, 1.6369

Previews

White Background



This preview shows how the XYZ color 70.4342, 76.2311, 105.6095 looks on a white background.

Color Contrast Check

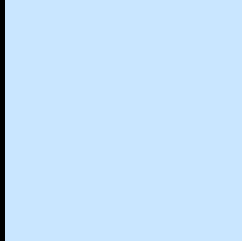
Large Text (above 18pt) WCAG AA × Fail

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 70.4342, 76.2311, 105.6095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

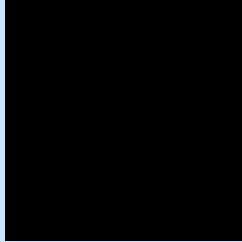
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

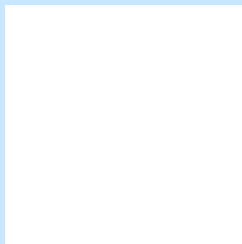
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.4342, 76.2311, 105.6095

Background



This preview shows how black text looks on a background with the XYZ color 70.4342, 76.2311, 105.6095.



This preview shows how white text looks on a background with the XYZ color 70.4342, 76.2311,

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

70.4342, 76.2311, 105.6095

Protanopia

74.1924, 75.8059, 101.9884

Deuteranopia

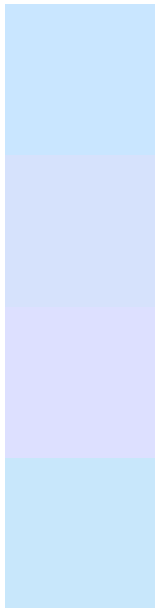
77.5107, 76.2565, 105.2415



Tritanopia

69.4942, 76.2707, 100.6815

Trichromacy



Original Color

70.4342, 76.2311, 105.6095

Protanomaly

72.4986, 75.7171, 102.8892

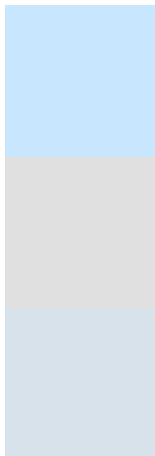
Deuteranomaly

74.5244, 75.9035, 105.3307

Tritanomaly

69.8079, 76.3962, 102.3335

Monochromacy



Original Color

70.4342, 76.2311, 105.6095

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.5107, 74.9898, 89.3554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4342, 76.2311, 105.6095 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, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 230, 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(201, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 230, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.4342, 76.2311, 105.6095 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, 230, 255) }
```


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

```
.border{ border-color:rgb(201, 230, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(201, 230,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4342, 76.2311, 105.6095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 230, 255) }
```

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

```
.background{ background-color: rgb(201,  
230, 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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