

Converting Colors

XYZ(82.7000, 80.5001,
172.2656)

Have a look what the booklet for
XYZ(82.7000, 80.5001, 172.2656)
contains.

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Color

**XYZ(70.1567, 75.6761,
105.5170)**

Conversions

Conversions Part 1

Format	Color
Hex	C9E5FF
RGB	201, 229, 255
RGB Percent	79%, 90%, 100%
CMY	0.2118, 0.1019, 0.0000
CMYK	0.21, 0.10, 0.00, 0.00
HSL	209°, 100%, 89%
HSV	209°, 21%, 100%
XYZ	70.1567, 75.6761, 105.5170
YIQ	223.5920, -25.0340, 2.1500

Conversions

Conversions Part 2

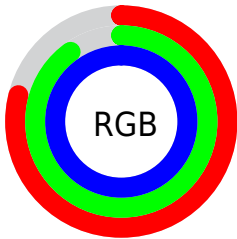
Format	Color
R _Y B	201, 219, 255
Decimal	13231615
CIE Lab	89.71, -3.77, -15.66
CIE LCh	90, 16.109, 256.461
Yxy	75.6761, 0.2791, 0.3011
Android (android.graphics.Color)	4291421695 (0xFFC9E5FF)
YUV	223.5920, 15.4841, -19.8132
Hunter-Lab	86.9920, -8.2806, -11.0214

Details

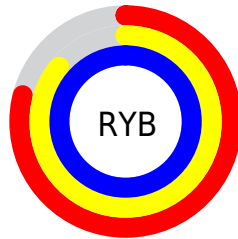
The XYZ color **70.1567, 75.6761, 105.5170** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **79.2516, 80.4144, 66.6046**, and the grayscale version is **70.4681, 74.1379, 80.7362**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.1832, 40.4603, 59.2759** is the 20% darker color. If you saturate the color by 10%, you get **60.5852, 65.8781, 104.1303**, and if you desaturate by 10%, it is **81.1105, 86.5472, 107.0380**.

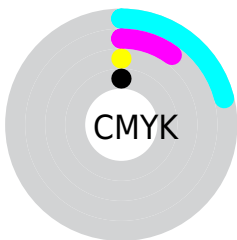
Distribution



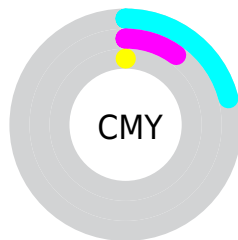
- Red (79%)
- Green (90%)
- Blue (100%)



- 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 70.1567, 75.6761, 105.5170 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 70.1567, 75.6761, 105.5170 by changing the saturation by 10% instead.

■ 70.1567, 75.6761,
105.5170

■ 70.1567, 75.6761,
105.5170

450.3579,
480.2382, 599.1367

■ 51.9344, 56.1670,
80.2735

118.4572,
127.2690, 170.8361

■ 37.1768, 40.3368,
59.4159

149.2661,
160.1214, 211.7488

■ 25.5187, 27.8012,
42.5258

185.0013,
198.1905, 258.7216

■ 16.5947, 18.1759,
29.1846

226.0280,
241.8605, 312.1731

■ 10.0395, 11.0763,
18.9737

272.7117,
291.5159, 372.5218

■ 5.4876, 6.1182,
11.4747

325.4176,

■ 2.5738, 2.9171,

347.5411, 440.1863

6.2689

384.5112,
410.3204, 515.5851

■ 0.9326, 1.0886,
2.9378

■ 0.0000, 0.0000,
1.0630

■ 70.1567, 75.6761,
105.5170

■ 70.1567, 75.6761,
105.5170

■ 60.5852, 65.8781,
104.1303

■ 81.1105, 86.5472,
107.0380

■ 52.3287, 57.1053,
102.8721

■ 93.4974, 98.5188,
108.6959

■ 45.3233, 49.3192,
101.7385

■ 95.0500, 100.0000,
108.9000

■ 39.4969, 42.4748,
100.7245

■ 34.7691, 36.5226,
99.8248

■ 31.0483, 31.4068,
99.0335

■ 28.2252, 27.0626,
98.3437

■ 26.3335, 23.7870,
97.8112

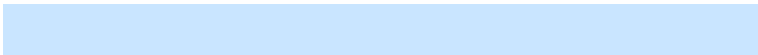
Harmonies

Analogous

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



66.7998, 75.6761, 99.2728



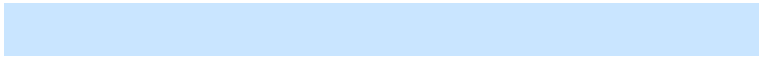
70.1567, 75.6761, 105.5170



74.1113, 75.6761, 105.1772

Triad

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



70.1567, 75.6761, 105.5170



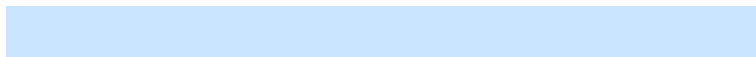
79.4948, 75.6761, 76.3611



66.5382, 75.6761, 68.2461

Complementary

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



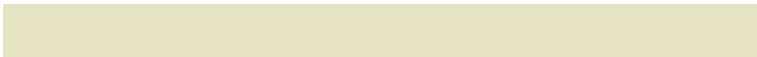
70.1567, 75.6761, 105.5170



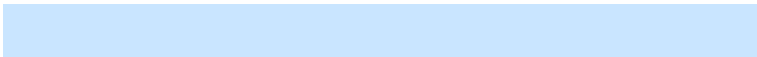
79.2516, 80.4144, 66.6046

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.



69.7877, 75.6761, 63.1715



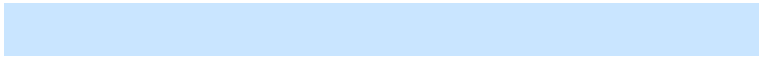
70.1567, 75.6761, 105.5170



77.3119, 75.6761, 67.5535

Square

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



70.1567, 75.6761, 105.5170



79.6025, 75.6761, 87.6197



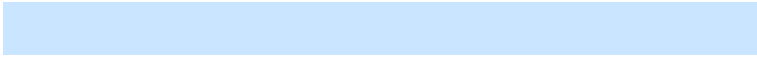
73.7286, 75.6761, 62.9302



64.7631, 75.6761, 77.3888

Rectangle

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



70.1567, 75.6761, 105.5170



76.5574, 75.6761, 101.2487



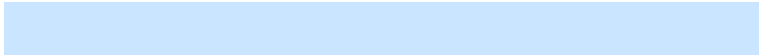
73.7286, 75.6761, 62.9302



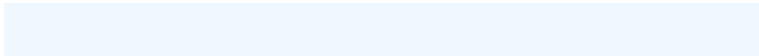
67.4888, 75.6761, 66.0463

Sweetspot

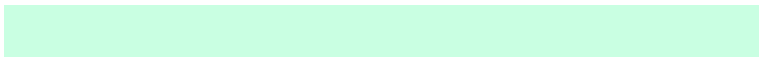
The Sweet Spot groups the original color and five complimentary colors.



70.1588, 75.6791, 105.5175



87.3385, 92.6029, 107.8787



73.6033, 89.4400, 85.4809



18.5212, 19.6537, 23.0673



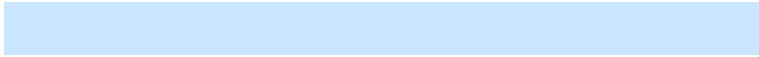
0.0000, 0.0000, 0.0000



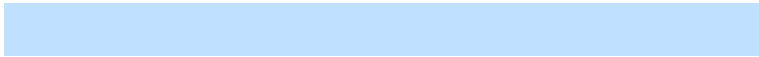
20.3446, 21.4041, 23.3091

Same Dimension

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



70.1588, 75.6791, 105.5175



66.3377, 71.8066, 104.9714



63.4476, 62.2567, 103.2804



17.7823, 18.9362, 22.9678



13.9102, 12.7301, 51.1586



1.4638, 1.4583, 5.0176

Inverse Universe

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



76.2708, 68.6920, 83.3711



73.4219, 64.0294, 79.2303



86.9714, 95.8541, 69.1779



18.4028, 18.1444, 20.7380



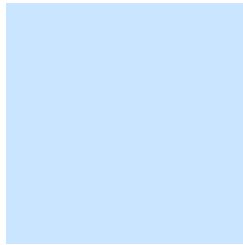
23.8094, 12.0131, 12.9129



2.3735, 1.1918, 1.5481

Previews

White Background



This preview shows how the XYZ color 70.1567, 75.6761, 105.5170 looks on a white background.

Color Contrast Check

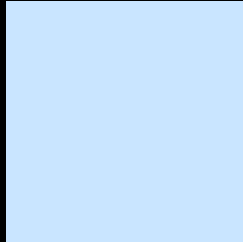
Large Text (above 18pt) WCAG AA × Fail

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 70.1567, 75.6761, 105.5170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

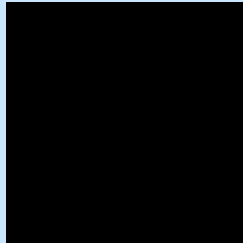
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

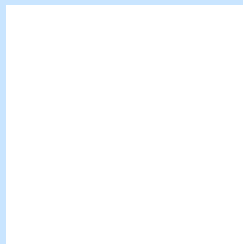
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.1567, 75.6761, 105.5170

Background



This preview shows how black text looks on a background with the XYZ color 70.1567, 75.6761, 105.5170.

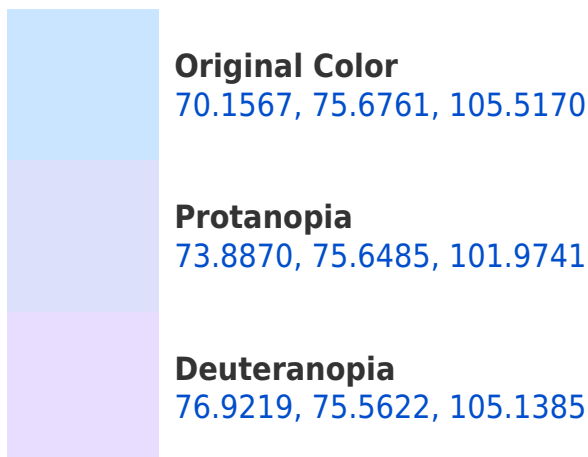


This preview shows how white text looks on a background with the XYZ color 70.1567, 75.6761,

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

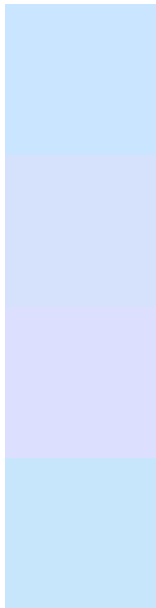




Tritanopia

69.0595, 75.6503, 99.7691

Trichromacy



Original Color

70.1567, 75.6761, 105.5170

Protanomaly

72.4986, 75.7171, 102.8892

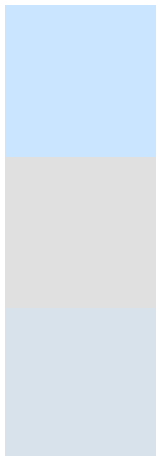
Deuteranomaly

74.2565, 75.3675, 105.2414

Tritanomaly

69.5288, 75.8380, 102.2404

Monochromacy



Original Color

70.1567, 75.6761, 105.5170

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 70.1567, 75.6761, 105.5170 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, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 229, 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, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 229, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.1567, 75.6761, 105.5170 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, 229, 255) }
```


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

```
.border{ border-color:rgb(201, 229, 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, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(201, 229,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1567, 75.6761, 105.5170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 229, 255) }
```

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

```
.background{ background-color: rgb(201,  
229, 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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