

Converting Colors

XYZ(80.6196, 80.5492,
155.4322)

Have a look what the booklet for
XYZ(80.6196, 80.5492, 155.4322)
contains.

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Color

**XYZ(70.9754, 76.5101,
105.6349)**

Conversions

Conversions Part 1

Format	Color
Hex	CBE6FF
RGB	203, 230, 255
RGB Percent	80%, 90%, 100%
CMY	0.2039, 0.0980, 0.0000
CMYK	0.20, 0.10, 0.00, 0.00
HSL	209°, 100%, 90%
HSV	209°, 20%, 100%
XYZ	70.9754, 76.5101, 105.6349
YIQ	224.7770, -24.1170, 2.0510

Conversions

Conversions Part 2

Format	Color
R _Y B	203, 221, 255
Decimal	13362943
CIE Lab	90.10, -3.69, -15.07
CIE LCh	90, 15.512, 256.247
Yxy	76.5101, 0.2804, 0.3023
Android (android.graphics.Color)	4291553023 (0xFFCBE6FF)
YUV	224.7770, 14.8999, -19.0984
Hunter-Lab	87.4701, -8.2332, -10.3737

Details

The XYZ color **70.9754, 76.5101, 105.6349** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.7627, 81.0577, 67.9434**, and the grayscale version is **71.3185, 75.0326, 81.7105**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.7358, 41.0331, 59.3574** is the 20% darker color. If you saturate the color by 10%, you get **61.3020, 66.6378, 104.2392**, and if you desaturate by 10%, it is **82.0350, 87.4571, 107.1649**.

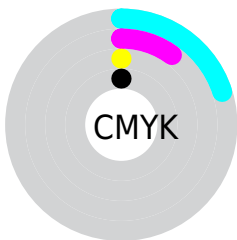
Distribution



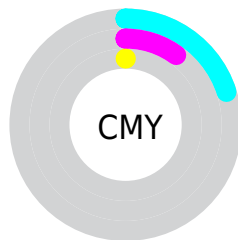
- Red (80%)
- Green (90%)
- Blue (100%)



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



- Cyan (20%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.9754, 76.5101, 105.6349 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 70.9754, 76.5101, 105.6349 by changing the saturation by 10% instead.

70.9754, 76.5101,
105.6349

70.9754, 76.5101,
105.6349

453.1806,
483.0921, 599.5118

52.6046, 56.8509,
80.3717

119.6174,
128.4477, 170.9987

37.7134, 40.8855,
59.4963

150.6193,
161.4949, 211.9364

25.9365, 28.2297,
42.5902

186.5623,
199.7735, 258.9360

16.9086, 18.4988,
29.2347

227.8117,
243.6680, 312.4161

10.2642, 11.3087,
19.0113

274.7328,
293.5627, 372.7951

5.6381, 6.2749,
11.5016

327.6911,

2.6649, 3.0129,

349.8420, 440.4918

6.2869

387.0520,
412.8903, 515.9245

■ 0.9791, 1.1385,
2.9487

■ 0.0000, 0.0106,
1.0685

■ 70.9754, 76.5101,
105.6349

■ 70.9754, 76.5101,
105.6349

■ 61.3020, 66.6378,
104.2392

■ 82.0350, 87.4571,
107.1649

■ 52.9478, 57.7925,
102.9722

94.5313, 99.5059,
108.8320

■ 45.8495, 49.9360,
101.8298

95.0500, 100.0000,
108.9000

■ 39.9355, 43.0235,
100.8073

■ 35.1261, 37.0061,
99.8993

■ 31.3308, 31.8287,
99.1000

■ 28.4422, 27.4272,
98.4027

■ 26.3584, 23.8367,
97.8195

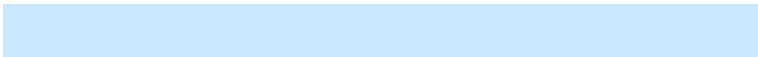
Harmonies

Analogous

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



67.7220, 76.5101, 99.5723



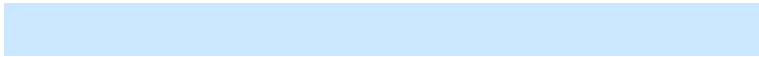
70.9754, 76.5101, 105.6349



74.8107, 76.5101, 105.3554

Triad

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



70.9754, 76.5101, 105.6349



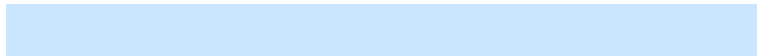
80.0592, 76.5101, 77.5165



67.5050, 76.5101, 69.4927

Complementary

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



70.9754, 76.5101, 105.6349



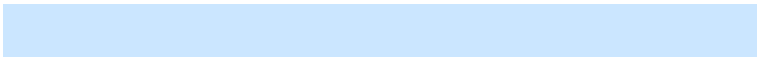
79.7627, 81.0577, 67.9434

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.



70.6697, 76.5101, 64.5707



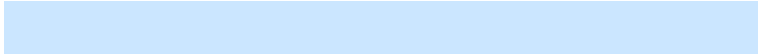
70.9754, 76.5101, 105.6349



77.9592, 76.5101, 68.9162

Square

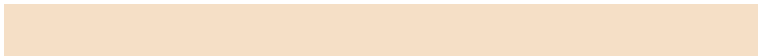
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.9754, 76.5101, 105.6349



80.1481, 76.5101, 88.4473



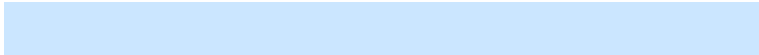
74.4941, 76.5101, 64.3695



65.7667, 76.5101, 78.3689

Rectangle

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



70.9754, 76.5101, 105.6349



77.1844, 76.5101, 101.5943



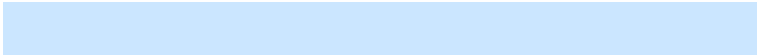
74.4941, 76.5101, 64.3695



68.4322, 76.5101, 67.3566

Sweetspot

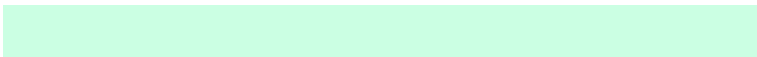
The Sweet Spot groups the original color and five complimentary colors.



70.9775, 76.5131, 105.6353



87.3418, 92.6096, 107.8798



74.2915, 89.7778, 86.2805



18.5220, 19.6553, 23.0676



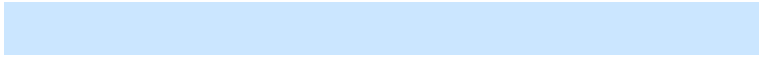
0.0000, 0.0000, 0.0000



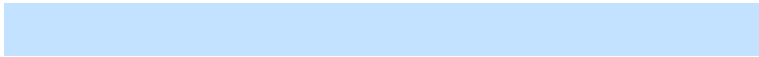
20.3446, 21.4041, 23.3091

Same Dimension

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



70.9775, 76.5131, 105.6353



67.3294, 72.8279, 105.1163



64.4476, 63.4533, 103.4587



17.7834, 18.9384, 22.9681



13.9233, 12.7561, 51.1629



1.4651, 1.4609, 5.0180

Inverse Universe

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



76.8802, 69.6866, 84.2652



74.1573, 65.2226, 80.3310



87.2294, 95.9910, 70.4323



18.4033, 18.1446, 20.7410



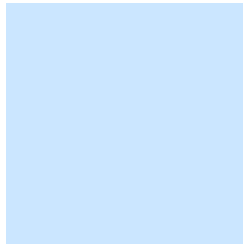
23.8160, 12.0157, 12.9476



2.3741, 1.1920, 1.5515

Previews

White Background



This preview shows how the XYZ color 70.9754, 76.5101, 105.6349 looks on a white background.

Color Contrast Check

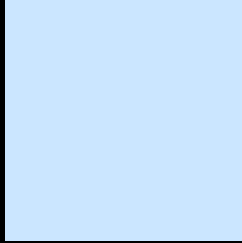
Large Text (above 18pt) WCAG AA × Fail

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 70.9754, 76.5101, 105.6349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

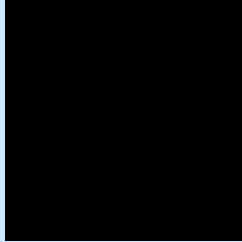
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

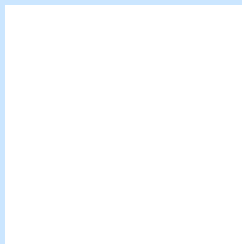
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.9754, 76.5101, 105.6349

Background



This preview shows how black text looks on a background with the XYZ color 70.9754, 76.5101, 105.6349.



This preview shows how white text looks on a background with the XYZ color 70.9754, 76.5101,

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

70.9754, 76.5101, 105.6349

Protanopia

74.9273, 76.5667, 102.9252

Deuteranopia

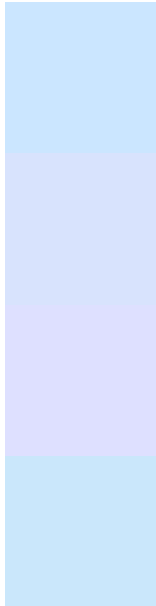
77.5107, 76.2565, 105.2415



Tritanopia

70.0319, 76.5479, 100.7067

Trichromacy



Original Color

70.9754, 76.5101, 105.6349

Protanomaly

73.5176, 76.6289, 103.8446

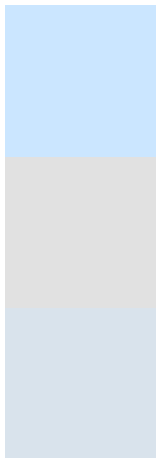
Deuteranomaly

74.8299, 76.0609, 105.3450

Tritanomaly

70.3456, 76.6734, 102.3586

Monochromacy



Original Color

70.9754, 76.5101, 105.6349

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.2247, 75.7460, 90.2234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9754, 76.5101, 105.6349 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(203, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(203, 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(203, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 230, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.9754, 76.5101, 105.6349 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(203, 230, 255) }
```


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

```
.border{ border-color:rgb(203, 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(203, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(203, 230,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9754, 76.5101, 105.6349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 230, 255) }
```

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

```
.background{ background-color: rgb(203,  
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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