

Converting Colors

XYZ(83.7466, 81.6172,
158.5915)

Have a look what the booklet for
XYZ(83.7466, 81.6172, 158.5915)
contains.

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Color

**XYZ(73.5099, 77.4048,
105.6740)**

Conversions

Conversions Part 1

Format	Color
Hex	D5E5FF
RGB	213, 229, 255
RGB Percent	84%, 90%, 100%
CMY	0.1647, 0.1019, 0.0000
CMYK	0.16, 0.10, 0.00, 0.00
HSL	217°, 100%, 92%
HSV	217°, 16%, 100%
XYZ	73.5099, 77.4048, 105.6740
YIQ	227.1800, -17.8820, 4.6940

Conversions

Conversions Part 2

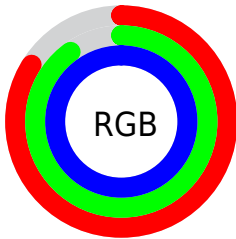
Format	Color
R _Y B	213, 225, 255
Decimal	14018047
CIE Lab	90.51, -0.13, -14.38
CIE LCh	91, 14.382, 269.494
Yxy	77.4048, 0.2865, 0.3017
Android (android.graphics.Color)	4292208127 (0xFFD5E5FF)
YUV	227.1800, 13.7153, -12.4359
Hunter-Lab	87.9800, -4.8229, -9.6280

Details

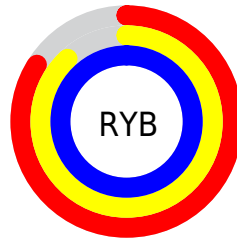
The XYZ color **73.5099, 77.4048, 105.6740** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.1163, 87.7957, 75.4653**, and the grayscale version is **73.0591, 76.8638, 83.7047**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.4296, 41.6184, 59.3811** is the 20% darker color. If you saturate the color by 10%, you get **62.5167, 65.5482, 103.9648**, and if you desaturate by 10%, it is **86.0673, 90.6612, 107.5709**.

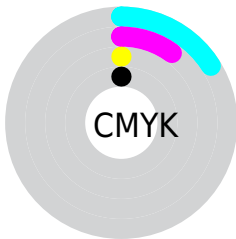
Distribution



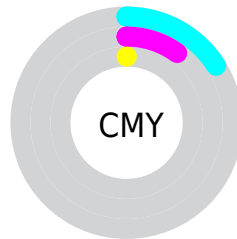
- Red (84%)
- Green (90%)
- Blue (100%)



- Red (84%)
- Yellow (88%)
- Blue (100%)



- Cyan (16%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.5099, 77.4048, 105.6740 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 73.5099, 77.4048, 105.6740 by changing the saturation by 10% instead.

■ 73.5099, 77.4048,
105.6740

■ 73.5099, 77.4048,
105.6740

461.8566,
486.1431, 599.6362

■ 54.6829, 57.5852,
80.4043

123.2000,
129.7107, 171.0526

■ 39.3807, 41.4752,
59.5230

154.7939,
162.9658, 211.9986

■ 27.2381, 28.6906,
42.6115

191.3740,
201.4682, 259.0071

■ 17.8896, 18.8469,
29.2513

233.3058,
245.6023, 312.4966

■ 10.9700, 11.5597,
19.0238

280.9546,
295.7524, 372.8858

■ 6.1138, 6.4446,
11.5105

334.6857,

■ 2.9557, 3.1173,

352.3030, 440.5931

6.2928

394.8646,
415.6384, 516.0370

■ 1.1304, 1.1933,
2.9523

■ 0.0503, 0.0562,
1.0703

■ 73.5099, 77.4048,
105.6740

■ 73.5099, 77.4048,
105.6740

■ 62.5167, 65.5482,
103.9648

■ 86.0673, 90.6612,
107.5709

■ 53.0166, 55.0333,
102.4359

95.0500, 100.0000,
108.9000

■ 44.9424, 45.8108,
101.0814

■ 38.2186, 37.8251,
99.8944

■ 32.7623, 31.0154,
98.8675

■ 28.4807, 25.3149,
97.9929

■ 25.2662, 20.6483,
97.2616

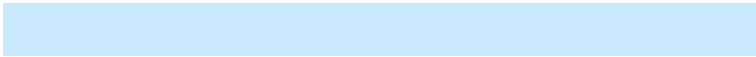
■ 22.9867, 16.9262,
96.6633

■ 22.3399, 15.7997,
96.4800

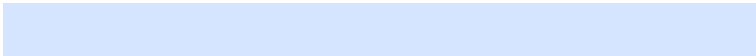
Harmonies

Analogous

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



70.1164, 77.4048, 102.5195



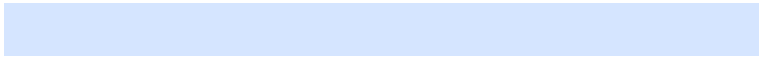
73.5099, 77.4048, 105.6740



77.0280, 77.4048, 102.7189

Triad

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



73.5099, 77.4048, 105.6740



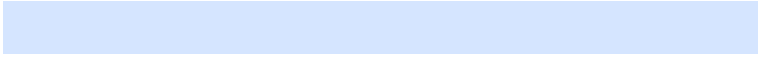
79.7550, 77.4048, 74.9022



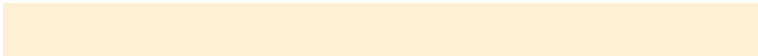
67.7729, 77.4048, 74.6226

Complementary

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



73.5099, 77.4048, 105.6740



84.1163, 87.7957, 75.4653

Split Complementary

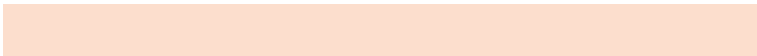
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.2189, 77.4048, 68.1925



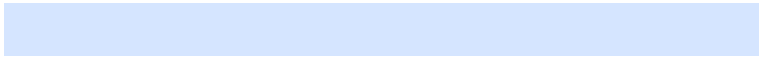
73.5099, 77.4048, 105.6740



77.1371, 77.4048, 68.3445

Square

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



73.5099, 77.4048, 105.6740



80.7041, 77.4048, 84.4557



73.6320, 77.4048, 65.9890



66.8710, 77.4048, 84.1059

Rectangle

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



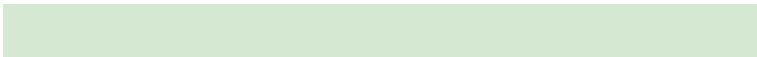
73.5099, 77.4048, 105.6740



78.9546, 77.4048, 97.8085



73.6320, 77.4048, 65.9890



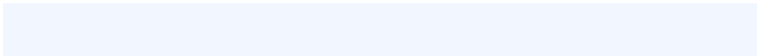
68.4378, 77.4048, 72.0615

Sweetspot

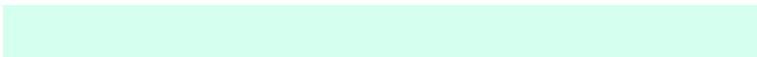
The Sweet Spot groups the original color and five complimentary colors.



73.5120, 77.4079, 105.6745



88.0477, 92.7292, 107.8657



78.7666, 91.8926, 95.1703



18.6422, 19.6354, 23.0574



0.0000, 0.0000, 0.0000



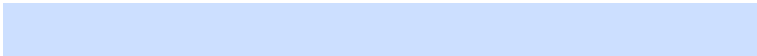
20.3446, 21.4041, 23.3091

Same Dimension

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



73.5120, 77.4079, 105.6745



69.4553, 73.0643, 105.0499



70.7291, 69.7001, 104.3334



17.5703, 18.5122, 22.8971



11.8057, 8.5210, 50.4571



1.2510, 1.0327, 4.9467

Inverse Universe

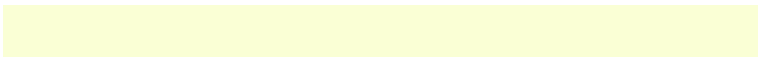
The Inverse Universe completely reimagines the original color for something new.



79.1784, 74.5072, 84.3406



76.2106, 69.7968, 79.5738



87.2308, 96.6667, 77.0134



18.2957, 18.1016, 20.1746



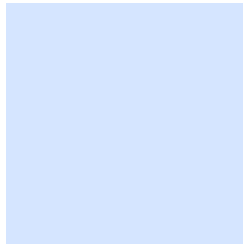
22.7472, 11.5882, 7.3191



2.2660, 1.1488, 0.9824

Previews

White Background



This preview shows how the XYZ color 73.5099, 77.4048, 105.6740 looks on a white background.

Color Contrast Check

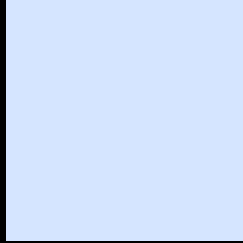
Large Text (above 18pt) WCAG AA × Fail

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 73.5099, 77.4048, 105.6740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

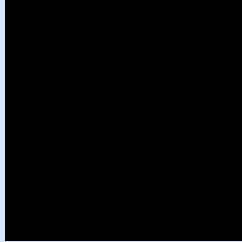
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

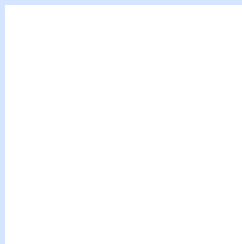
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.5099, 77.4048, 105.6740

Background



This preview shows how black text looks on a background with the XYZ color 73.5099, 77.4048, 105.6740.



This preview shows how white text looks on a background with the XYZ color 73.5099, 77.4048,

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

73.5099, 77.4048, 105.6740

Protanopia

75.6664, 77.3319, 103.8670

Deuteranopia

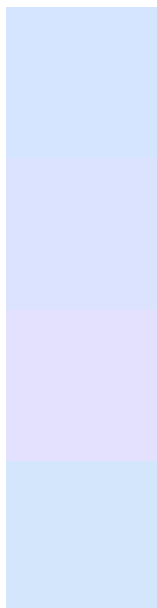
78.7633, 77.2954, 105.3760



Tritanopia

72.3915, 77.3680, 99.9250

Trichromacy



Original Color

73.5099, 77.4048, 105.6740

Protanomaly

74.8737, 77.3096, 104.7419

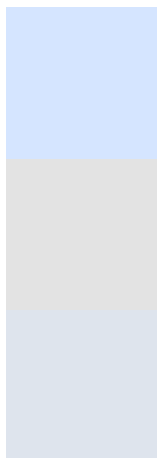
Deuteranomaly

76.9701, 77.5644, 105.5224

Tritanomaly

72.8608, 77.5557, 102.3964

Monochromacy



Original Color

73.5099, 77.4048, 105.6740

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

73.1537, 77.1308, 91.1529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.5099, 77.4048, 105.6740 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(213, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(213, 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(213, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 229, 255) }
```

Border

The CSS property to change the border of an element to XYZ 73.5099, 77.4048, 105.6740 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(213, 229, 255) }
```


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

```
.border{ border-color:rgb(213, 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(213, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(213, 229,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 73.5099, 77.4048, 105.6740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 229, 255) }
```

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

```
.background{ background-color: rgb(213,  
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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