

Converting Colors

XYZ(71.7748, 75.5939,
105.4159)

Have a look what the booklet for
XYZ(71.7748, 75.5939, 105.4159)
contains.

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Color

**XYZ(71.8136, 75.7135,
105.4369)**

Conversions

Conversions Part 1

Format	Color
Hex	D1E3FF
RGB	209, 227, 255
RGB Percent	82%, 89%, 100%
CMY	0.1804, 0.1098, 0.0000
CMYK	0.18, 0.11, 0.00, 0.00
HSL	217°, 100%, 91%
HSV	217°, 18%, 100%
XYZ	71.8136, 75.7135, 105.4369
YIQ	224.8100, -19.7160, 4.8920

Conversions

Conversions Part 2

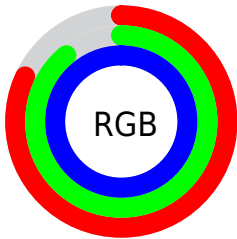
Format	Color
R _Y B	209, 222, 255
Decimal	13755391
CIE _{Lab}	89.73, -0.32, -15.58
CIE _{LCh}	90, 15.584, 268.836
Y _{xy}	75.7135, 0.2839, 0.2993
Android (android.graphics.Color)	4291945471 (0xFFD1E3FF)
Y _{UV}	224.8100, 14.8837, -13.8654
Hunter-Lab	87.0135, -4.9548, -10.9340

Details

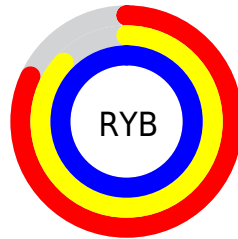
The XYZ color **71.8136, 75.7135, 105.4369** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.0325, 86.4307, 72.6298**, and the grayscale version is **71.3400, 75.0553, 81.7352**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.2720, 40.4523, 59.2170** is the 20% darker color. If you saturate the color by 10%, you get **61.1131, 64.1789, 103.7745**, and if you desaturate by 10%, it is **84.0555, 88.6147, 107.2819**.

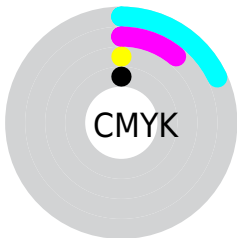
Distribution



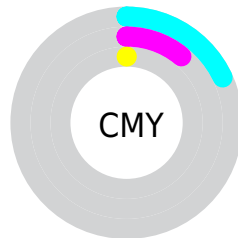
- Red (82%)
- Green (89%)
- Blue (100%)



- Red (82%)
- Yellow (87%)
- Blue (100%)



- Cyan (18%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.8136, 75.7135, 105.4369 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 71.8136, 75.7135, 105.4369 by changing the saturation by 10% instead.

71.8136, 75.7135,
105.4369

71.8136, 75.7135,
105.4369

456.0603,
480.3664, 598.8817

53.2913, 56.1976,
80.2067

120.8037,
127.3218, 170.7257

38.2638, 40.3614,
59.3613

152.0023,
160.1831, 211.6214

26.3656, 27.8204,
42.4821

188.1570,
198.2616, 258.5760

17.2315, 18.1903,
29.1506

229.6332,
241.9417, 312.0080

10.4960, 11.0867,
18.9482

276.7963,
291.6078, 372.3361

5.7938, 6.1252,
11.4564

330.0116,

2.7596, 2.9214,

347.6444, 439.9787

6.2567

389.6445,
410.4358, 515.3544

■ 1.0279, 1.0908,
2.9305

■ 0.0000, 0.0000,
1.0593

■ 71.8136, 75.7135,
105.4369

■ 71.8136, 75.7135,
105.4369

■ 61.1131, 64.1789,
103.7745

■ 84.0555, 88.6147,
107.2819

■ 51.8831, 53.9534,
102.2873

95.0500, 100.0000,
108.9000

■ 44.0558, 44.9886,
100.9694

■ 37.5553, 37.2292,
99.8143

■ 32.2982, 30.6149,
98.8147

■ 28.1903, 25.0793,
97.9627

■ 25.1217, 20.5467,
97.2496

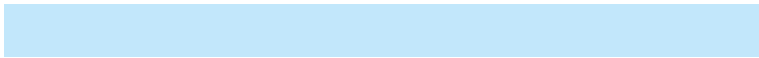
■ 22.9475, 16.9220,
96.6646

■ 22.5881, 16.2961,
96.5627

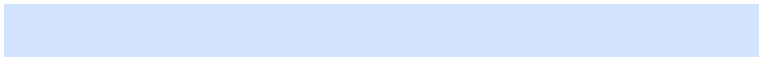
Harmonies

Analogous

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



68.2102, 75.7135, 101.8876



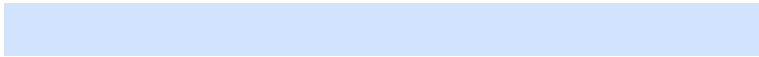
71.8136, 75.7135, 105.4369



75.5833, 75.7135, 102.3828

Triad

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



71.8136, 75.7135, 105.4369



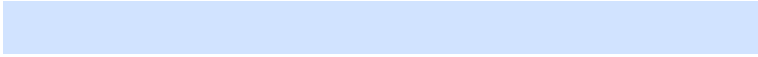
78.6264, 75.7135, 72.6560



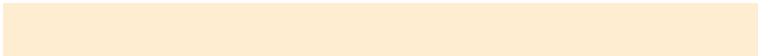
65.8291, 75.7135, 71.9745

Complementary

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



71.8136, 75.7135, 105.4369



83.0325, 86.4307, 72.6298

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.



68.4610, 75.7135, 65.2697



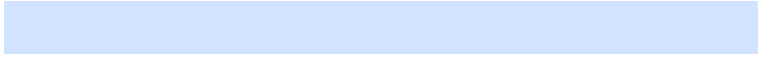
71.8136, 75.7135, 105.4369



75.8519, 75.7135, 65.6378

Square

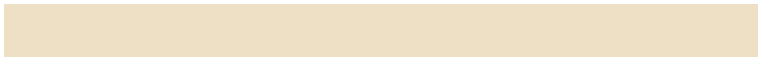
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.8136, 75.7135, 105.4369



79.5999, 75.7135, 82.8692



72.1134, 75.7135, 63.0551



64.8316, 75.7135, 82.0105

Rectangle

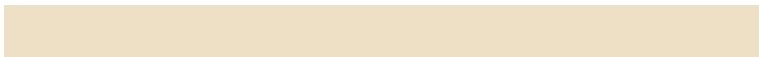
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.8136, 75.7135, 105.4369



77.6657, 75.7135, 97.1540



72.1134, 75.7135, 63.0551



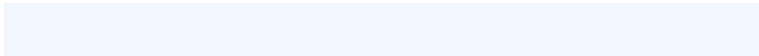
66.5473, 75.7135, 69.2905

Sweetspot

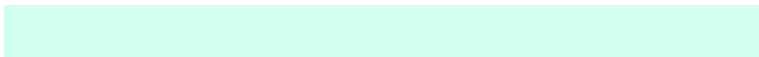
The Sweet Spot groups the original color and five complimentary colors.



71.8157, 75.7165, 105.4374



88.0880, 92.8099, 107.8791



77.2831, 91.1668, 93.3392



18.6520, 19.6550, 23.0607



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.



71.8157, 75.7165, 105.4374



67.3951, 70.9854, 104.7572



68.4668, 67.0586, 103.9428



17.5861, 18.5438, 22.9024



11.9375, 8.7845, 50.5010



1.2649, 1.0605, 4.9513

Inverse Universe

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



77.9069, 72.4086, 82.5467



74.6724, 67.2736, 77.3556



86.8369, 96.5216, 74.3771



18.3037, 18.1048, 20.2166



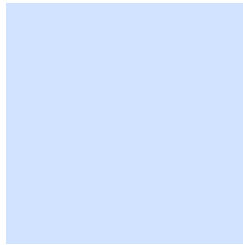
22.8137, 11.6148, 7.6692



2.2731, 1.1516, 1.0194

Previews

White Background



This preview shows how the XYZ color 71.8136, 75.7135, 105.4369 looks on a white background.

Color Contrast Check

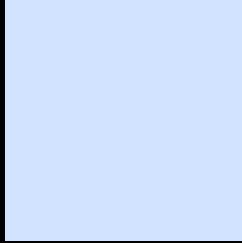
Large Text (above 18pt) WCAG AA × Fail

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 71.8136, 75.7135, 105.4369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

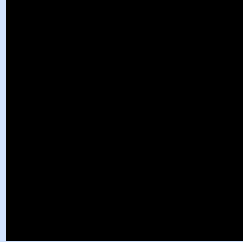
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

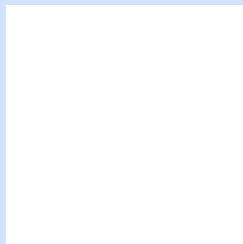
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.8136, 75.7135, 105.4369

Background



This preview shows how black text looks on a background with the XYZ color 71.8136, 75.7135, 105.4369.



This preview shows how white text looks on a background with the XYZ color 71.8136, 75.7135,

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

71.8136, 75.7135, 105.4369

Protanopia

74.2041, 75.7753, 103.6436

Deuteranopia

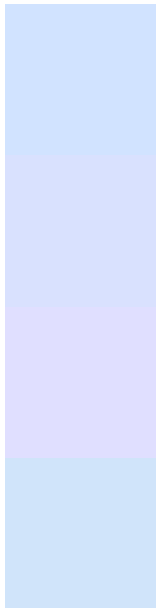
76.9219, 75.5622, 105.1385



Tritanopia

70.2640, 75.4676, 98.8591

Trichromacy



Original Color

71.8136, 75.7135, 105.4369

Protanomaly

73.4299, 75.7579, 104.5185

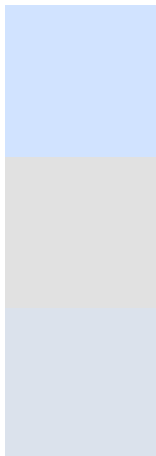
Deuteranomaly

75.1781, 75.8426, 105.2845

Tritanomaly

71.0111, 75.7988, 101.3304

Monochromacy



Original Color

71.8136, 75.7135, 105.4369

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.5501, 75.5089, 90.1605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.8136, 75.7135, 105.4369 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(209, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 227, 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(209, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 227, 255) }
```

Border

The CSS property to change the border of an element to XYZ 71.8136, 75.7135, 105.4369 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(209, 227, 255) }
```


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

```
.border{ border-color:rgb(209, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 227,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 71.8136, 75.7135, 105.4369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 227, 255) }
```

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

```
.background{ background-color: rgb(209,  
227, 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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