

Converting Colors

XYZ(86.4315, 82.3882,
181.3366)

Have a look what the booklet for
XYZ(86.4315, 82.3882, 181.3366)
contains.

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Color

**XYZ(72.0817, 76.6685,
105.6071)**

Conversions

Conversions Part 1

Format	Color
Hex	D0E5FF
RGB	208, 229, 255
RGB Percent	82%, 90%, 100%
CMY	0.1843, 0.1019, 0.0000
CMYK	0.18, 0.10, 0.00, 0.00
HSL	213°, 100%, 91%
HSV	213°, 18%, 100%
XYZ	72.0817, 76.6685, 105.6071
YIQ	225.6850, -20.8620, 3.6340

Conversions

Conversions Part 2

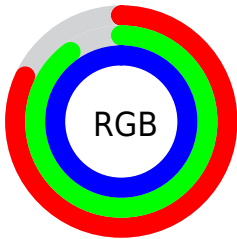
Format	Color
R _Y B	208, 223, 255
Decimal	13690367
CIE Lab	90.17, -1.66, -14.92
CIE LCh	90, 15.016, 263.659
Yxy	76.6685, 0.2834, 0.3014
Android (android.graphics.Color)	4291880447 (0xFFD0E5FF)
YUV	225.6850, 14.4523, -15.5097
Hunter-Lab	87.5606, -6.2860, -10.2175

Details

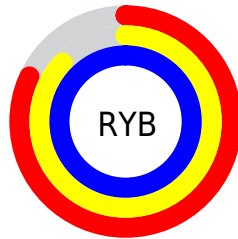
The XYZ color **72.0817, 76.6685, 105.6071** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.0476, 84.6585, 71.6925**, and the grayscale version is **71.9728, 75.7210, 82.4602**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.4660, 41.1216, 59.3360** is the 20% darker color. If you saturate the color by 10%, you get **61.7354, 65.7765, 104.0501**, and if you desaturate by 10%, it is **83.9019, 88.7950, 107.3248**.

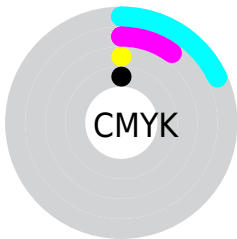
Distribution



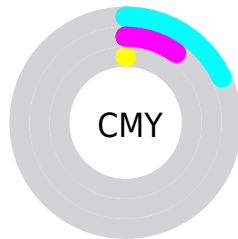
- Red (82%)
- Green (90%)
- Blue (100%)



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



- Cyan (18%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.0817, 76.6685, 105.6071 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 72.0817, 76.6685, 105.6071 by changing the saturation by 10% instead.

■ 72.0817, 76.6685,
105.6071

■ 72.0817, 76.6685,
105.6071

456.9791,
483.6330, 599.4234

■ 53.5111, 56.9808,
80.3486

121.1829,
128.6714, 170.9603

■ 38.4401, 40.9899,
59.4774

152.4441,
161.7555, 211.8921

■ 26.5032, 28.3112,
42.5750

188.6664,
200.0738, 258.8854

■ 17.3351, 18.5603,
29.2229

230.2149,
244.0108, 312.3588

■ 10.5705, 11.3530,
19.0024

277.4551,
293.9508, 372.7307

■ 5.8440, 6.3048,
11.4952

330.7523,

■ 2.7902, 3.0313,

350.2782, 440.4198

6.2826

390.4718,
413.3775, 515.8445

■ 1.0438, 1.1481,
2.9461

■ 0.0000, 0.0187,
1.0672

■ 72.0817, 76.6685,
105.6071

■ 72.0817, 76.6685,
105.6071

■ 61.7354, 65.7765,
104.0501

■ 83.9019, 88.7950,
107.3248

■ 52.7942, 56.0665,
102.6471

95.0500, 100.0000,
108.9000

■ 45.1930, 47.4953,
101.3933

■ 38.8586, 40.0132,
100.2830

■ 33.7101, 33.5660,
99.3099

■ 29.6562, 28.0934,
98.4673

■ 26.5900, 23.5266,
97.7474

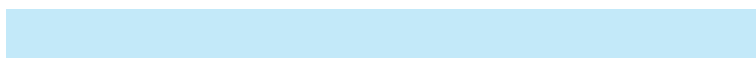
■ 24.3649, 19.7755,
97.1406

■ 24.0622, 19.2444,
97.0541

Harmonies

Analogous

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



68.7024, 76.6685, 101.1447



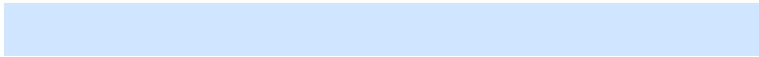
72.0817, 76.6685, 105.6071



75.7878, 76.6685, 103.7454

Triad

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



72.0817, 76.6685, 105.6071



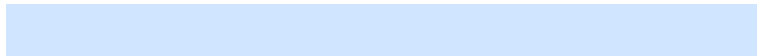
79.6410, 76.6685, 75.5033



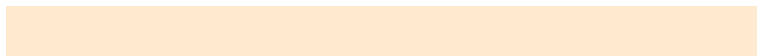
67.2443, 76.6685, 71.8870

Complementary

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



72.0817, 76.6685, 105.6071



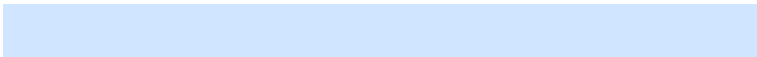
82.0476, 84.6585, 71.6925

Split Complementary

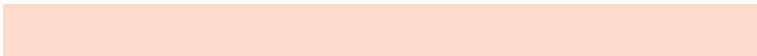
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.0303, 76.6685, 66.0402



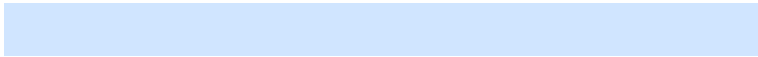
72.0817, 76.6685, 105.6071



77.2052, 76.6685, 68.0002

Square

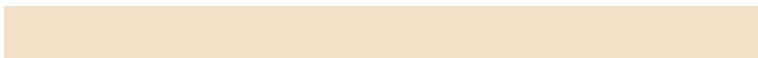
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.0817, 76.6685, 105.6071



80.2356, 76.6685, 85.7686



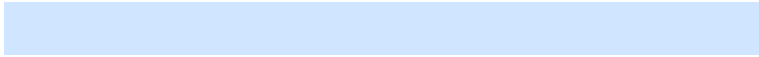
73.6663, 76.6685, 64.6802



65.9716, 76.6685, 81.2304

Rectangle

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



72.0817, 76.6685, 105.6071



77.9363, 76.6685, 99.2412



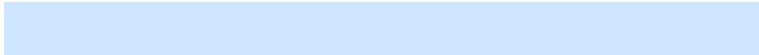
73.6663, 76.6685, 64.6802



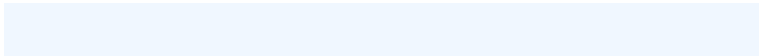
68.0302, 76.6685, 69.4808

Sweetspot

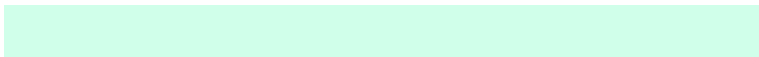
The Sweet Spot groups the original color and five complimentary colors.



72.0838, 76.6716, 105.6076



87.0028, 91.9317, 107.7668



76.6030, 90.8622, 91.2306



18.4419, 19.4951, 23.0409



0.0000, 0.0000, 0.0000



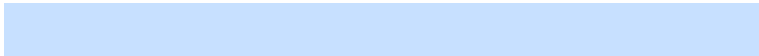
20.3446, 21.4041, 23.3091

Same Dimension

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



72.0838, 76.6716, 105.6076



68.2243, 72.6436, 105.0336



67.2853, 66.0864, 103.8174



17.6713, 18.7142, 22.9308



12.7168, 10.3432, 50.7608



1.3453, 1.2212, 4.9781

Inverse Universe

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



77.9400, 72.0304, 83.9276



75.0909, 67.4410, 79.5594



87.5262, 96.8912, 73.7649



18.3467, 18.1220, 20.4430



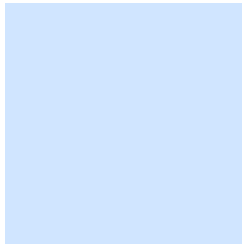
23.2071, 11.7721, 9.7408



2.3136, 1.1678, 1.2330

Previews

White Background



This preview shows how the XYZ color 72.0817, 76.6685, 105.6071 looks on a white background.

Color Contrast Check

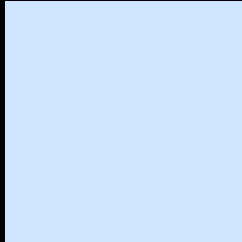
Large Text (above 18pt) WCAG AA × Fail

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 72.0817, 76.6685, 105.6071 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

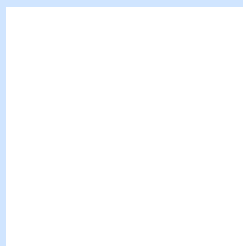
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.0817, 76.6685, 105.6071

Background



This preview shows how black text looks on a background with the XYZ color 72.0817, 76.6685, 105.6071.



This preview shows how white text looks on a background with the XYZ color 72.0817, 76.6685,

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

72.0817, 76.6685, 105.6071

Protanopia

74.9273, 76.5667, 102.9252

Deuteranopia

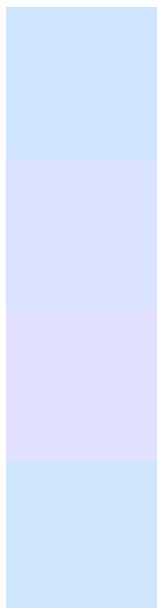
77.8381, 76.4253, 105.2568



Tritanopia

70.9722, 76.6363, 99.8586

Trichromacy



Original Color

72.0817, 76.6685, 105.6071

Protanomaly

73.8394, 76.3900, 103.7815

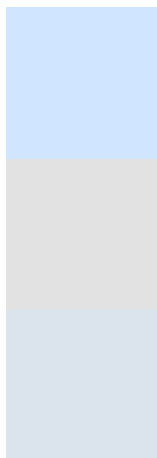
Deuteranomaly

75.7570, 76.5389, 105.3884

Tritanomaly

71.4415, 76.8241, 102.3299

Monochromacy



Original Color

72.0817, 76.6685, 105.6071

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.9686, 76.1127, 91.0188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.0817, 76.6685, 105.6071 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(208, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(208, 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(208, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 229, 255) }
```

Border

The CSS property to change the border of an element to XYZ 72.0817, 76.6685, 105.6071 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(208, 229, 255) }
```


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

```
.border{ border-color:rgb(208, 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(208, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(208, 229,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 72.0817, 76.6685, 105.6071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 229, 255) }
```

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

```
.background{ background-color: rgb(208,  
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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