

Converting Colors

XYZ(72.4415, 76.9273,
105.6381)

Have a look what the booklet for
XYZ(72.4415, 76.9273, 105.6381)
contains.

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Color

**XYZ(72.3638, 76.8139,
105.6203)**

Conversions

Conversions Part 1

Format	Color
Hex	D1E5FF
RGB	209, 229, 255
RGB Percent	82%, 90%, 100%
CMY	0.1804, 0.1019, 0.0000
CMYK	0.18, 0.10, 0.00, 0.00
HSL	214°, 100%, 91%
HSV	214°, 18%, 100%
XYZ	72.3638, 76.8139, 105.6203
YIQ	225.9840, -20.2660, 3.8460

Conversions

Conversions Part 2

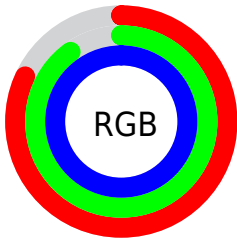
Format	Color
R _Y B	209, 223, 255
Decimal	13755903
CIE Lab	90.24, -1.35, -14.82
CIE LCh	90, 14.878, 264.780
Yxy	76.8139, 0.2840, 0.3015
Android (android.graphics.Color)	4291945983 (0xFFD1E5FF)
YUV	225.9840, 14.3049, -14.8950
Hunter-Lab	87.6435, -5.9958, -10.1006

Details

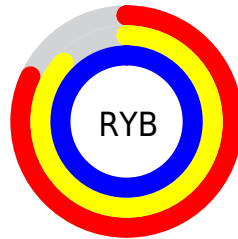
The XYZ color **72.3638, 76.8139, 105.6203** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.4567, 85.2790, 72.4379**, and the grayscale version is **72.1893, 75.9488, 82.7082**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.6555, 41.2193, 59.3448** is the 20% darker color. If you saturate the color by 10%, you get **61.8953, 65.7432, 104.0352**, and if you desaturate by 10%, it is **84.3222, 89.1481, 107.3708**.

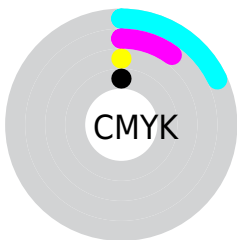
Distribution



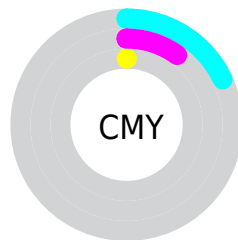
- Red (82%)
- Green (90%)
- Blue (100%)



- 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 72.3638, 76.8139, 105.6203 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 72.3638, 76.8139, 105.6203 by changing the saturation by 10% instead.

■ 72.3638, 76.8139,
105.6203

■ 72.3638, 76.8139,
105.6203

457.9449,
484.1293, 599.4654

■ 53.7424, 57.1001,
80.3596

121.5816,
128.8767, 170.9785

■ 38.6256, 41.0857,
59.4864

152.9088,
161.9946, 211.9131

■ 26.6480, 28.3860,
42.5822

189.2019,
200.3494, 258.9094

■ 17.4443, 18.6168,
29.2285

230.8264,
244.3253, 312.3860

■ 10.6490, 11.3938,
19.0067

278.1476,
294.3069, 372.7613

■ 5.8969, 6.3323,
11.4982

331.5308,

■ 2.8225, 3.0482,

350.6785, 440.4540

6.2846

391.3415,
413.8245, 515.8825

■ 1.0606, 1.1569,
2.9473

■ 0.0000, 0.0261,
1.0678

■ 72.3638, 76.8139,
105.6203

■ 72.3638, 76.8139,
105.6203

■ 61.8953, 65.7432,
104.0352

■ 84.3222, 89.1481,
107.3708

■ 52.8476, 55.8824,
102.6088

95.0500, 100.0000,
108.9000

■ 45.1552, 47.1876,
101.3359

■ 38.7447, 39.6079,
100.2108

■ 33.5349, 33.0882,
99.2269

■ 29.4342, 27.5671,
98.3774

■ 26.3358, 22.9749,
97.6543

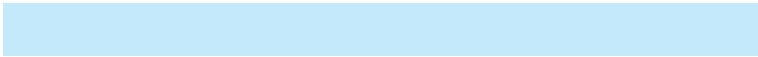
■ 24.0978, 19.2227,
97.0480

■ 23.7222, 18.5644,
96.9407

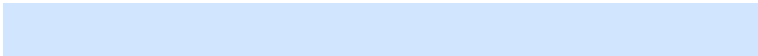
Harmonies

Analogous

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



68.9815, 76.8139, 101.4172



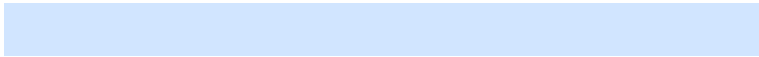
72.3638, 76.8139, 105.6203



76.0330, 76.8139, 103.5402

Triad

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



72.3638, 76.8139, 105.6203



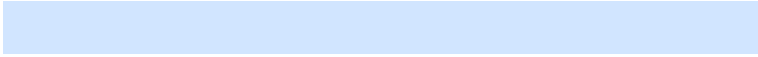
79.6631, 76.8139, 75.3821



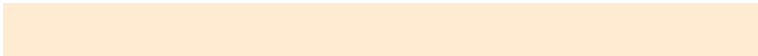
67.3484, 76.8139, 72.4251

Complementary

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



72.3638, 76.8139, 105.6203



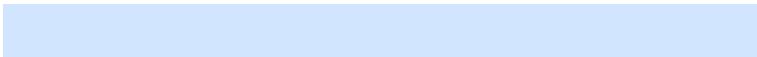
82.4567, 85.2790, 72.4379

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.



70.0669, 76.8139, 66.4637



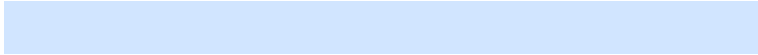
72.3638, 76.8139, 105.6203



77.1909, 76.8139, 68.0672

Square

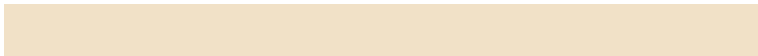
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.3638, 76.8139, 105.6203



80.3282, 76.8139, 85.5052



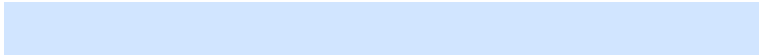
73.6586, 76.8139, 64.9380



66.1491, 76.8139, 81.7968

Rectangle

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



72.3638, 76.8139, 105.6203



78.1378, 76.8139, 98.9544



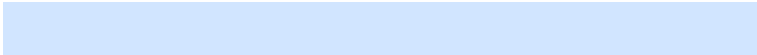
73.6586, 76.8139, 64.9380



68.1103, 76.8139, 69.9884

Sweetspot

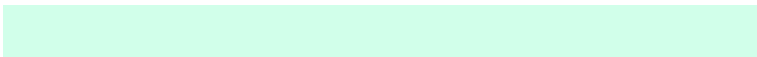
The Sweet Spot groups the original color and five complimentary colors.



72.3659, 76.8170, 105.6208



88.2580, 93.1499, 107.9358



76.9499, 91.0335, 91.5845



18.6933, 19.7375, 23.0744



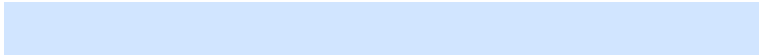
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



72.3659, 76.8170, 105.6208



68.0433, 72.2817, 104.9732



67.8019, 66.7159, 103.9116



17.6528, 18.6772, 22.9246



12.5375, 9.9845, 50.7010



1.3270, 1.1847, 4.9720

Inverse Universe

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



78.1846, 72.5196, 84.0091



74.9996, 67.4045, 79.0784



87.6679, 96.9500, 74.4160



18.3374, 18.1183, 20.3938



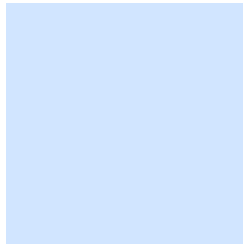
23.1165, 11.7359, 9.2641



2.3044, 1.1641, 1.1845

Previews

White Background



This preview shows how the XYZ color 72.3638, 76.8139, 105.6203 looks on a white background.

Color Contrast Check

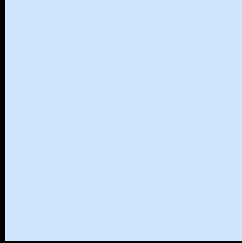
Large Text (above 18pt) WCAG AA × Fail

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 72.3638, 76.8139, 105.6203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

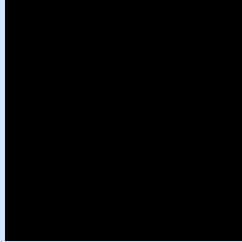
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

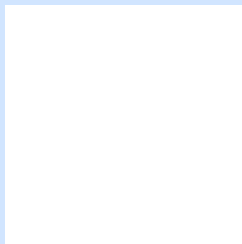
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.3638, 76.8139, 105.6203

Background



This preview shows how black text looks on a background with the XYZ color 72.3638, 76.8139, 105.6203.



This preview shows how white text looks on a background with the XYZ color 72.3638, 76.8139,

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

72.3638, 76.8139, 105.6203

Protanopia

75.0863, 76.6303, 103.7622

Deuteranopia

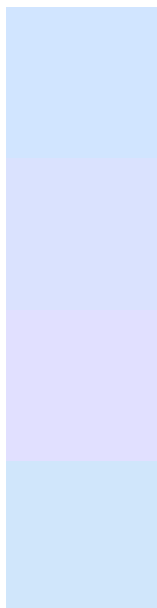
77.8381, 76.4253, 105.2568



Tritanopia

71.2525, 76.7808, 99.8717

Trichromacy



Original Color

72.3638, 76.8139, 105.6203

Protanomaly

73.9992, 76.4539, 104.6228

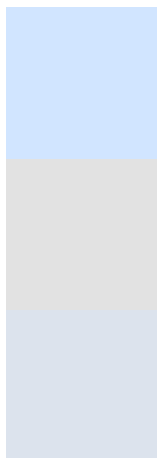
Deuteranomaly

75.7570, 76.5389, 105.3884

Tritanomaly

71.7218, 76.9686, 102.3431

Monochromacy



Original Color

72.3638, 76.8139, 105.6203

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

72.2703, 76.2682, 91.0330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.3638, 76.8139, 105.6203 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, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 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(209, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 229, 255) }
```

Border

The CSS property to change the border of an element to XYZ 72.3638, 76.8139, 105.6203 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, 229, 255) }
```


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

```
.border{ border-color:rgb(209, 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(209, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 229,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 72.3638, 76.8139, 105.6203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 229, 255) }
```

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

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