

Converting Colors

XYZ(89.0078, 81.9511,
189.2866)

Have a look what the booklet for
XYZ(89.0078, 81.9511, 189.2866)
contains.

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Color

**XYZ(72.9995, 75.5175,
105.3366)**

Conversions

Conversions Part 1

Format	Color
Hex	D7E1FF
RGB	215, 225, 255
RGB Percent	84%, 88%, 100%
CMY	0.1569, 0.1176, 0.0000
CMYK	0.16, 0.12, 0.00, 0.00
HSL	225°, 100%, 92%
HSV	225°, 16%, 100%
XYZ	72.9995, 75.5175, 105.3366
YIQ	225.4300, -15.5900, 7.2100

Conversions

Conversions Part 2

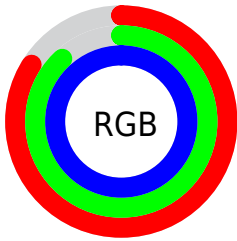
Format	Color
R _Y B	215, 223, 255
Decimal	14148095
CIE Lab	89.63, 2.57, -15.68
CIE LCh	90, 15.885, 279.312
Yxy	75.5175, 0.2876, 0.2975
Android (android.graphics.Color)	4292338175 (0xFFD7E1FF)
YUV	225.4300, 14.5780, -9.1471
Hunter-Lab	86.9008, -2.1306, -11.0377

Details

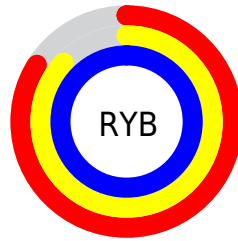
The XYZ color **72.9995, 75.5175, 105.3366** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.1576, 91.4696, 77.4059**, and the grayscale version is **71.7855, 75.5240, 82.2456**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.0650, 40.3003, 59.1459** is the 20% darker color. If you saturate the color by 10%, you get **61.2040, 62.1890, 103.3856**, and if you desaturate by 10%, it is **86.5451, 90.6116, 107.5361**.

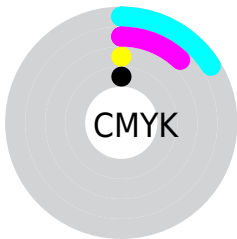
Distribution



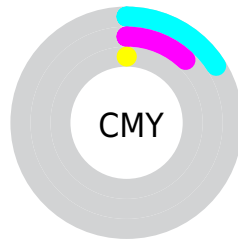
- Red (84%)
- Green (88%)
- Blue (100%)



- Red (84%)
- Yellow (87%)
- Blue (100%)



- Cyan (16%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.9995, 75.5175, 105.3366 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 72.9995, 75.5175, 105.3366 by changing the saturation by 10% instead.

■ 72.9995, 75.5175,
105.3366

■ 72.9995, 75.5175,
105.3366

460.1169,
479.6944, 598.5623

■ 54.2639, 56.0369,
80.1232

122.4796,
127.0446, 170.5874

■ 39.0442, 40.2325,
59.2929

153.9549,
159.8600, 211.4618

■ 26.9750, 27.7199,
42.4274

190.4075,
197.8891, 258.3935

■ 17.6909, 18.1146,
29.1080

232.2027,
241.5163, 311.8013

■ 10.8267, 11.0323,
18.9163

279.7058,
291.1261, 372.1035

■ 6.0168, 6.0886,
11.4336

333.2824,

■ 2.8961, 2.8990,

347.1028, 439.7187

6.2415

393.2976,
409.8307, 515.0655

■ 1.0990, 1.0792,
2.9213

■ 0.0243, 0.0000,
1.0546

■ 72.9995, 75.5175,
105.3366

■ 72.9995, 75.5175,
105.3366

■ 61.2040, 62.1890,
103.3856

■ 86.5451, 90.6116,
107.5361

■ 51.0796, 50.5513,
101.6729

95.0500, 100.0000,
108.9000

■ 42.5501, 40.5374,
100.1896

■ 35.5309, 32.0721,
98.9256

■ 29.9293, 25.0741,
97.8701

■ 25.6416, 19.4539,
97.0113

■ 22.5487, 15.1111,
96.3360

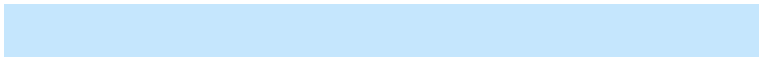
■ 20.5068, 11.9287,
95.8294

■ 19.8705, 10.8610,
95.6568

Harmonies

Analogous

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



69.1557, 75.5175, 104.0399



72.9995, 75.5175, 105.3366



76.6424, 75.5175, 100.0204

Triad

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



72.9995, 75.5175, 105.3366



77.7478, 75.5175, 69.3347



64.9761, 75.5175, 74.8567

Complementary

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



72.9995, 75.5175, 105.3366



86.1576, 91.4696, 77.4059

Split Complementary

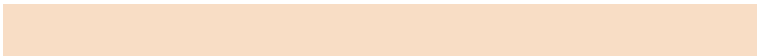
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.1222, 75.5175, 66.6776



72.9995, 75.5175, 105.3366



74.4640, 75.5175, 63.6961

Square

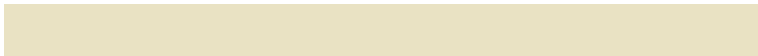
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.9995, 75.5175, 105.3366



79.4486, 75.5175, 78.7935



70.5685, 75.5175, 62.7695



64.6161, 75.5175, 85.7562

Rectangle

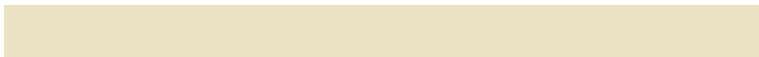
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.9995, 75.5175, 105.3366



78.4331, 75.5175, 93.7022



70.5685, 75.5175, 62.7695



65.5088, 75.5175, 71.7268

Sweetspot

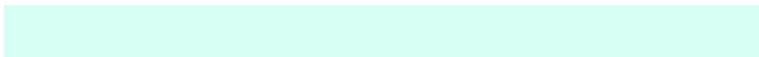
The Sweet Spot groups the original color and five complimentary colors.



73.0016, 75.5205, 105.3371



87.5391, 91.7120, 107.6961



80.1649, 92.5194, 99.4869



18.5189, 19.3887, 23.0163



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.



73.0016, 75.5205, 105.3371



68.9012, 70.9099, 104.6632



73.1954, 71.7229, 104.5938



17.3720, 18.1157, 22.8310



10.4815, 5.8725, 50.0157



1.1028, 0.7362, 4.8973

Inverse Universe

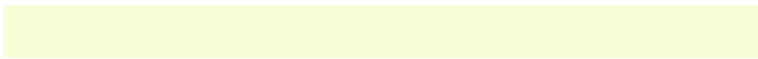
The Inverse Universe completely reimagines the original color for something new.



79.1323, 75.2985, 81.6011



76.1863, 70.7648, 76.4314



85.9154, 95.9591, 78.2852



18.1957, 18.0616, 19.6476



22.0788, 11.3208, 3.7992



2.1912, 1.1189, 0.5884

Previews

White Background



This preview shows how the XYZ color 72.9995, 75.5175, 105.3366 looks on a white background.

Color Contrast Check

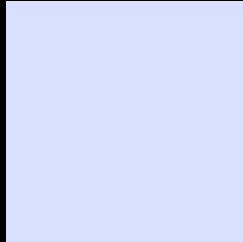
Large Text (above 18pt) WCAG AA × Fail

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 72.9995, 75.5175, 105.3366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

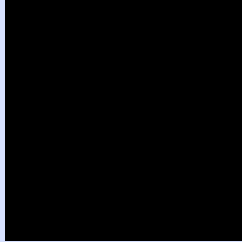
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.9995, 75.5175, 105.3366

Background



This preview shows how black text looks on a background with the XYZ color 72.9995, 75.5175, 105.3366.



This preview shows how white text looks on a background with the XYZ color 72.9995, 75.5175,

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

72.9995, 75.5175, 105.3366

Protanopia

74.0959, 75.3033, 104.3956

Deuteranopia

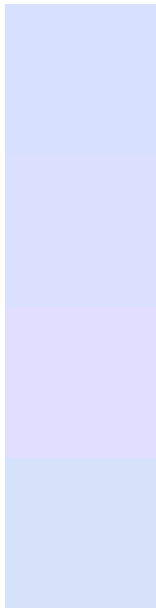
76.9219, 75.5622, 105.1385



Tritanopia

71.3911, 75.6769, 97.2306

Trichromacy



Original Color

72.9995, 75.5175, 105.3366

Protanomaly

73.7585, 75.5271, 104.4566

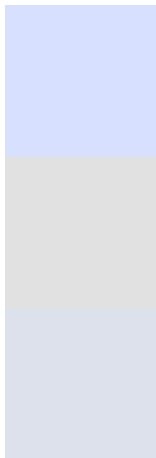
Deuteranomaly

75.5353, 75.6313, 105.2249

Tritanomaly

72.0268, 75.5284, 100.4048

Monochromacy



Original Color

72.9995, 75.5175, 105.3366

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.8843, 75.2787, 90.0984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.9995, 75.5175, 105.3366 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(215, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 225, 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(215, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 225, 255) }
```

Border

The CSS property to change the border of an element to XYZ 72.9995, 75.5175, 105.3366 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(215, 225, 255) }
```


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

```
.border{ border-color:rgb(215, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 225,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 72.9995, 75.5175, 105.3366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 225, 255) }
```

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

```
.background{ background-color: rgb(215,  
225, 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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