

Converting Colors

XYZ(75.8954, 76.6774,
105.4078)

Have a look what the booklet for
XYZ(75.8954, 76.6774, 105.4078)
contains.

XYZ(75.7570, 76.5389, 105.3884)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(75.7570, 76.5389,
105.3884)**

Conversions

Conversions Part 1

Format	Color
Hex	E1E0FF
RGB	225, 224, 255
RGB Percent	88%, 88%, 100%
CMY	0.1176, 0.1215, 0.0000
CMYK	0.12, 0.12, 0.00, 0.00
HSL	242°, 100%, 94%
HSV	242°, 12%, 100%
XYZ	75.7570, 76.5389, 105.3884
YIQ	227.8330, -9.3550, 9.8530

Conversions

Conversions Part 2

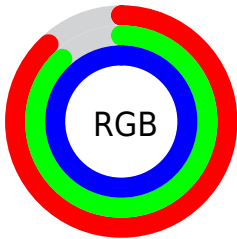
Format	Color
R_{YB}	225, 224, 255
Decimal	14803199
CIE _{Lab}	90.11, 6.22, -14.89
CIE _{LCh}	90, 16.138, 292.674
Yxy	76.5389, 0.2940, 0.2970
Android (android.graphics.Color)	4292993279 (0xFFE1E0FF)
YUV	227.8330, 13.3933, -2.4845
Hunter-Lab	87.4865, 1.4667, -10.1816

Details

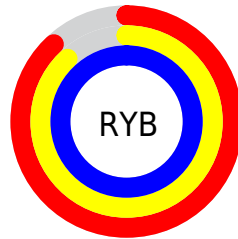
The XYZ color **75.7570, 76.5389, 105.3884** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **90.0894, 97.9735, 84.6873**, and the grayscale version is **73.5327, 77.3622, 84.2474**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.9586, 40.9992, 59.1810** is the 20% darker color. If you saturate the color by 10%, you get **62.2654, 60.1633, 102.9387**, and if you desaturate by 10%, it is **91.3925, 95.5494, 108.2337**.

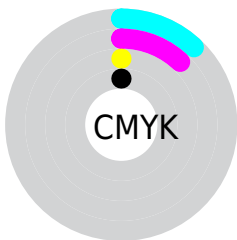
Distribution



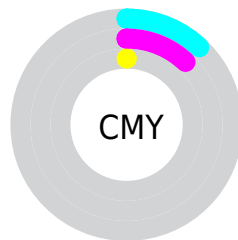
- Red (88%)
- Green (88%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.7570, 76.5389, 105.3884 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 75.7570, 76.5389, 105.3884 by changing the saturation by 10% instead.

75.7570, 76.5389,
105.3884

75.7570, 76.5389,
105.3884

469.4726,
483.1905, 598.7273

56.5296, 56.8745,
80.1663

126.3655,
128.4884, 170.6588

40.8664, 40.9045,
59.3283

158.4774,
161.5423, 211.5442

28.4019, 28.2445,
42.4557

195.6149,
199.8281, 258.4878

18.7708, 18.5100,
29.1300

238.1432,
243.7303, 311.9081

11.6078, 11.3168,
18.9328

286.4278,
293.6332, 372.2236

6.5475, 6.2803,
11.4454

340.8340,

3.2246, 3.0163,

349.9213, 439.8530

6.2493

401.7271,
412.9789, 515.2147

■ 1.2736, 1.1402,
2.9260

■ 0.1633, 0.0121,
1.0570

■ 75.7570, 76.5389,
105.3884

■ 75.7570, 76.5389,
105.3884

■ 62.2654, 60.1633,
102.9387

■ 91.3925, 95.5494,
108.2337

■ 50.8184, 46.2976,
100.8657

95.0500, 100.0000,
108.9000

■ 41.3181, 34.8207,
99.1511

■ 33.6562, 25.5975,
97.7747

■ 27.7138, 18.4799,
96.7140

■ 23.3580, 13.3017,
95.9441

■ 20.4365, 9.8721,
95.4361

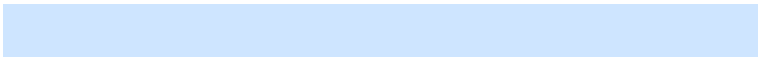
■ 18.7673, 7.9613,
95.1553

■ 18.1527, 7.2729,
95.0548

Harmonies

Analogous

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



71.7704, 76.5389, 107.1812



75.7570, 76.5389, 105.3884



79.0449, 76.5389, 97.4381

Triad

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



75.7570, 76.5389, 105.3884



77.5177, 76.5389, 67.0020



65.3744, 76.5389, 80.5573

Complementary

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



75.7570, 76.5389, 105.3884



90.0894, 97.9735, 84.6873

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.



66.7946, 76.5389, 70.6681



75.7570, 76.5389, 105.3884



73.7342, 76.5389, 63.3220

Square

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



75.7570, 76.5389, 105.3884



80.0872, 76.5389, 75.1221



69.8196, 76.5389, 64.5999



65.8714, 76.5389, 92.1318

Rectangle

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



75.7570, 76.5389, 105.3884



80.3495, 76.5389, 90.0796



69.8196, 76.5389, 64.5999



65.6416, 76.5389, 76.9412

Sweetspot

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



75.7591, 76.5420, 105.3889



88.3428, 91.8394, 107.6784



84.3875, 94.2590, 108.3538



18.6475, 19.3394, 23.0000



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.



75.7591, 76.5420, 105.3889



71.7060, 71.6193, 104.6523



80.6487, 79.0627, 105.6177



17.0570, 17.4056, 22.7106



9.5085, 3.8123, 49.6693



0.9440, 0.3806, 4.8370

Inverse Universe

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



85.7869, 81.7301, 105.0225



83.8410, 77.8979, 104.1895



84.8071, 95.2504, 84.4401



18.7659, 18.2897, 22.6506



30.3161, 14.6157, 47.1766



2.9594, 1.4261, 4.6336

Previews

White Background



This preview shows how the XYZ color 75.7570, 76.5389, 105.3884 looks on a white background.

Color Contrast Check

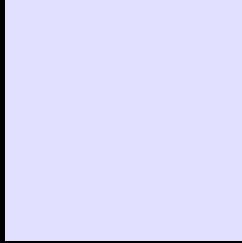
Large Text (above 18pt) WCAG AA × Fail

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 75.7570, 76.5389, 105.3884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

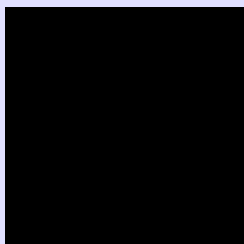
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 75.7570, 76.5389, 105.3884

Background



This preview shows how black text looks on a background with the XYZ color 75.7570, 76.5389, 105.3884.

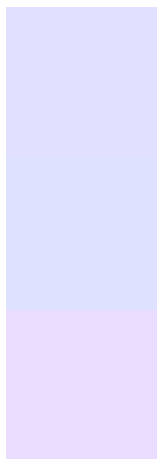


This preview shows how white text looks on a background with the XYZ color 75.7570, 76.5389,

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

75.7570, 76.5389, 105.3884

Protanopia

75.0994, 76.6000, 105.4349

Deuteranopia

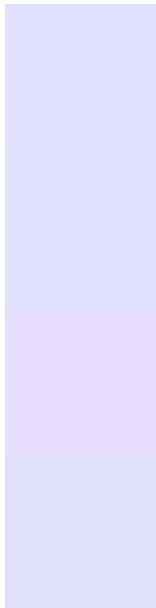
78.1674, 76.5951, 105.2722



Tritanopia

73.9569, 76.6123, 96.4777

Trichromacy



Original Color

75.7570, 76.5389, 105.3884

Protanomaly

75.4066, 76.7584, 105.4492

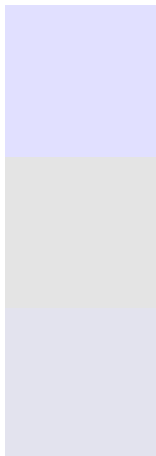
Deuteranomaly

77.1263, 76.4515, 105.2994

Tritanomaly

74.6090, 76.4750, 99.6358

Monochromacy



Original Color

75.7570, 76.5389, 105.3884

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

74.5803, 77.4421, 91.9059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.7570, 76.5389, 105.3884 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(225, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 224, 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(225, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 224, 255) }
```

Border

The CSS property to change the border of an element to XYZ 75.7570, 76.5389, 105.3884 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(225, 224, 255) }
```


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

```
.border{ border-color:rgb(225, 224, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(225, 224,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 75.7570, 76.5389, 105.3884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 224, 255) }
```

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

```
.background{ background-color: rgb(225,  
224, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor