

Converting Colors

XYZ(86.7117, 79.6285,
159.0790)

Have a look what the booklet for
XYZ(86.7117, 79.6285, 159.0790)
contains.

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Color

**XYZ(76.5396, 75.7559,
105.1960)**

Conversions

Conversions Part 1

Format	Color
Hex	E6DDFF
RGB	230, 221, 255
RGB Percent	90%, 87%, 100%
CMY	0.0980, 0.1333, 0.0000
CMYK	0.10, 0.13, 0.00, 0.00
HSL	256°, 100%, 93%
HSV	256°, 13%, 100%
XYZ	76.5396, 75.7559, 105.1960
YIQ	227.5670, -5.5500, 12.4820

Conversions

Conversions Part 2

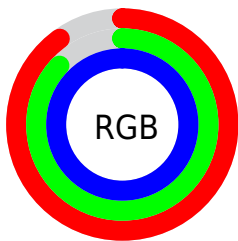
Format	Color
R_{YB}	230, 221, 255
Decimal	15130111
CIE _{Lab}	89.75, 9.38, -15.40
CIE _{LCh}	90, 18.027, 301.343
Yxy	75.7559, 0.2973, 0.2942
Android (android.graphics.Color)	4293320191 (0xFFE6DDFF)
YUV	227.5670, 13.5245, 2.1337
Hunter-Lab	87.0379, 4.6536, -10.7328

Details

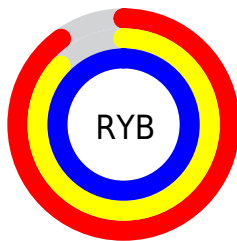
The XYZ color **76.5396, 75.7559, 105.1960** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.8189, 96.3341, 82.4287**, and the grayscale version is **73.3358, 77.1549, 84.0217**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.2848, 40.3483, 59.0381** is the 20% darker color. If you saturate the color by 10%, you get **64.6144, 60.3630, 102.8534**, and if you desaturate by 10%, it is **90.1387, 93.5337, 107.9107**.

Distribution



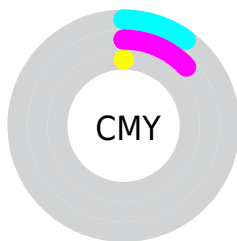
- Red (90%)
- Green (87%)
- Blue (100%)



- Red (90%)
- Yellow (87%)
- Blue (100%)



- Cyan (10%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.5396, 75.7559, 105.1960 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 76.5396, 75.7559, 105.1960 by changing the saturation by 10% instead.

76.5396, 75.7559,
105.1960

76.5396, 75.7559,
105.1960

472.1089,
480.5117, 598.1145

57.1737, 56.2324,
80.0060

127.4657,
127.3818, 170.3935

41.3854, 40.3893,
59.1971

159.7565,
160.2530, 211.2380

28.8093, 27.8422,
42.3507

197.0864,
198.3421, 258.1378

19.0802, 18.2067,
29.0484

239.8207,
242.0337, 311.5114

11.8326, 11.0985,
18.8716

288.3248,
291.7120, 371.7773

6.7012, 6.1331,
11.4016

342.9639,

3.3206, 2.9262,

347.7615, 439.3541

6.2201

404.1035,
410.5666, 514.6603

■ 1.3255, 1.0933,
2.9084

■ 0.2022, 0.0000,
1.0481

■ 76.5396, 75.7559,
105.1960

■ 76.5396, 75.7559,
105.1960

■ 64.6144, 60.3630,
102.8534

■ 90.1387, 93.5337,
107.9107

■ 54.2907, 47.2432,
100.8652

95.0500, 100.0000,
108.9000

■ 45.4996, 36.2897,
99.2143

■ 38.1645, 27.3832,
97.8817

■ 32.2022, 20.3926,
96.8467

■ 27.5203, 15.1712,
96.0856

■ 24.0137, 11.5502,
95.5715

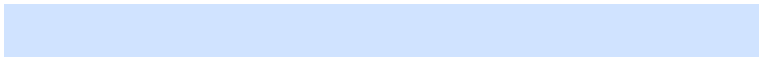
■ 21.5582, 9.3262,
95.2716

■ 20.3984, 8.4306,
95.1599

Harmonies

Analogous

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



72.2042, 75.7559, 109.4430



76.5396, 75.7559, 105.1960



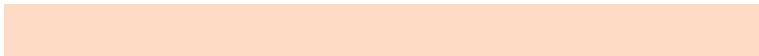
79.7636, 75.7559, 94.7839

Triad

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



76.5396, 75.7559, 105.1960



76.1789, 75.7559, 62.8242



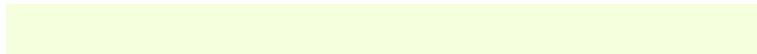
63.7961, 75.7559, 83.0602

Complementary

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



76.5396, 75.7559, 105.1960



86.8189, 96.3341, 82.4287

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.



64.7642, 75.7559, 71.2994



76.5396, 75.7559, 105.1960



71.8036, 75.7559, 60.3632

Square

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



76.5396, 75.7559, 105.1960



79.5494, 75.7559, 70.4018



67.6507, 75.7559, 63.3038



64.9510, 75.7559, 95.8779

Rectangle

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



76.5396, 75.7559, 105.1960



80.7841, 75.7559, 86.2230



67.6507, 75.7559, 63.3038



63.8838, 75.7559, 78.8572

Sweetspot

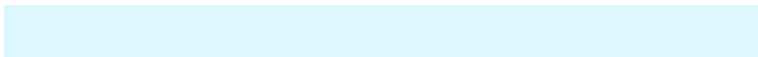
The Sweet Spot groups the original color and five complimentary colors.



76.5417, 75.7590, 105.1965



89.1761, 92.2690, 107.7173



80.9788, 88.8099, 107.4817



18.8576, 19.4476, 23.0098



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.



76.5417, 75.7590, 105.1965



73.1980, 71.4217, 104.5356



82.0899, 78.6192, 105.4562



17.4538, 17.6102, 22.7291



10.7775, 4.4665, 49.7287



1.1472, 0.4853, 4.8465

Inverse Universe

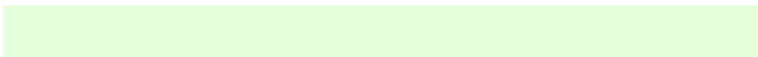
The Inverse Universe completely reimagines the original color for something new.



83.7328, 79.6296, 98.1480



81.6970, 75.9984, 96.1120



81.2860, 93.4818, 82.1698



18.5754, 18.2135, 21.6470



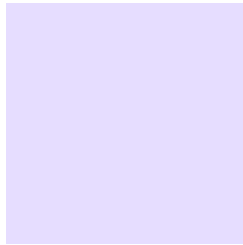
26.3293, 13.0210, 26.1823



2.6088, 1.2859, 2.7871

Previews

White Background



This preview shows how the XYZ color 76.5396, 75.7559, 105.1960 looks on a white background.

Color Contrast Check

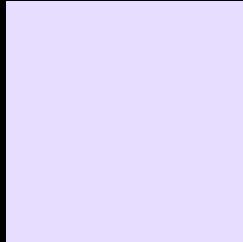
Large Text (above 18pt) WCAG AA × Fail

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 76.5396, 75.7559, 105.1960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

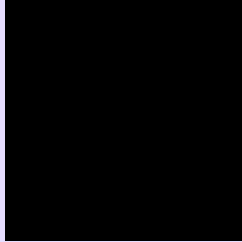
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.5396, 75.7559, 105.1960

Background



This preview shows how black text looks on a background with the XYZ color 76.5396, 75.7559, 105.1960.

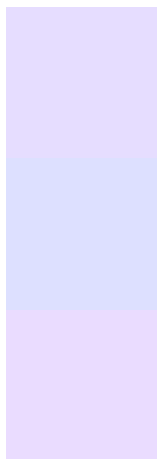


This preview shows how white text looks on a background with the XYZ color 76.5396, 75.7559,

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

76.5396, 75.7559, 105.1960

Protanopia

74.5244, 75.9035, 105.3307

Deuteranopia

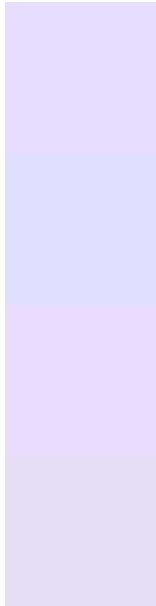
77.5749, 75.8988, 105.1690



Tritanopia

74.2598, 75.6202, 93.9013

Trichromacy



Original Color

76.5396, 75.7559, 105.1960

Protanomaly

75.1781, 75.8426, 105.2845

Deuteranomaly

77.2475, 75.7300, 105.1537

Tritanomaly

75.0689, 75.5544, 97.8157

Monochromacy



Original Color

76.5396, 75.7559, 105.1960

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

74.6709, 76.6815, 91.7543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.5396, 75.7559, 105.1960 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(230, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 221, 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(230, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 221, 255) }
```

Border

The CSS property to change the border of an element to XYZ 76.5396, 75.7559, 105.1960 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(230, 221, 255) }
```


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

```
.border{ border-color:rgb(230, 221, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 221, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 221,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 76.5396, 75.7559, 105.1960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 221, 255) }
```

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

```
.background{ background-color: rgb(230,  
221, 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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