

Converting Colors

XYZ(80.1499, 77.6387,
110.6640)

Have a look what the booklet for
XYZ(80.1499, 77.6387, 110.6640)
contains.

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Color

**XYZ(79.1663, 77.1100,
105.3190)**

Conversions

Conversions Part 1

Format	Color
Hex	EEDDFF
RGB	238, 221, 255
RGB Percent	93%, 87%, 100%
CMY	0.0667, 0.1333, 0.0000
CMYK	0.07, 0.13, 0.00, 0.00
HSL	270°, 100%, 93%
HSV	270°, 13%, 100%
XYZ	79.1663, 77.1100, 105.3190
YIQ	229.9590, -0.7820, 14.1780

Conversions

Conversions Part 2

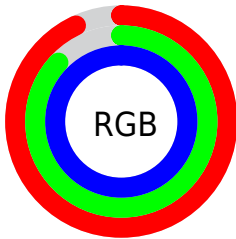
Format	Color
R _Y B	238, 221, 255
Decimal	15654399
CIE _{Lab}	90.37, 11.94, -14.39
CIE _{LCh}	90, 18.700, 309.675
Y _{xy}	77.1100, 0.3026, 0.2948
Android (android.graphics.Color)	4293844479 (0xFFEEDDFF)
YUV	229.9590, 12.3452, 7.0520
Hunter-Lab	87.8123, 7.2534, -9.6417

Details

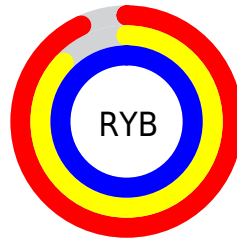
The XYZ color **79.1663, 77.1100, 105.3190** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.0729, 94.9185, 82.3003**, and the grayscale version is **75.0973, 79.0082, 86.0399**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.1207, 41.2947, 59.1241** is the 20% darker color. If you saturate the color by 10%, you get **68.8083, 62.5250, 103.0497**, and if you desaturate by 10%, it is **90.8542, 93.9027, 107.9442**.

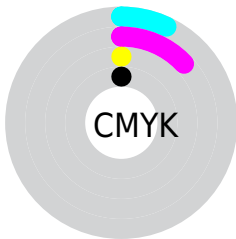
Distribution



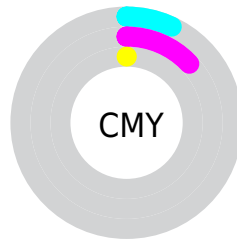
- Red (93%)
- Green (87%)
- Blue (100%)



- Red (93%)
- Yellow (87%)
- Blue (100%)



- Cyan (7%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.1663, 77.1100, 105.3190 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 79.1663, 77.1100, 105.3190 by changing the saturation by 10% instead.

79.1663, 77.1100,
105.3190

79.1663, 77.1100,
105.3190

480.8982,
485.1390, 598.5063

59.3387, 57.3432,
80.1085

131.1496,
129.2947, 170.5631

43.1332, 41.2808,
59.2809

164.0361,
162.4814, 211.4337

30.1846, 28.5386,
42.4178

202.0061,
200.9102, 258.3615

20.1275, 18.7320,
29.1006

245.4251,
244.9655, 311.7650

12.5966, 11.4768,
18.9107

294.6585,
295.0316, 372.0627

7.2264, 6.3885,
11.4296

350.0715,

3.6517, 3.0827,

351.4929, 439.6731

6.2388

412.0297,
414.7339, 515.0148

■ 1.5070, 1.1751,
2.9197

■ 0.3306, 0.0412,
1.0538

■ 79.1663, 77.1100,
105.3190

■ 79.1663, 77.1100,
105.3190

■ 68.8083, 62.5250,
103.0497

■ 90.8542, 93.9027,
107.9442

■ 59.7217, 50.0430,
101.1193

95.0500, 100.0000,
108.9000

■ 51.8527, 39.5649,
99.5116

■ 45.1408, 30.9796,
98.2082

■ 39.5199, 24.1650,
97.1891

■ 34.9160, 18.9838,
96.4317

■ 31.2444, 15.2778,
95.9099

■ 28.4034, 12.8550,
95.5920

■ 26.8761, 11.7700,
95.4631

Harmonies

Analogous

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



74.8082, 77.1100, 111.9070



79.1663, 77.1100, 105.3190



82.0257, 77.1100, 93.2002

Triad

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



79.1663, 77.1100, 105.3190



76.4500, 77.1100, 62.1055



64.8013, 77.1100, 88.3502

Complementary

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



79.1663, 77.1100, 105.3190



84.0729, 94.9185, 82.3003

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.



65.1990, 77.1100, 75.3511



79.1663, 77.1100, 105.3190



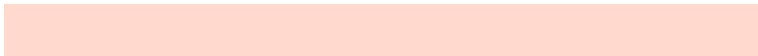
71.7940, 77.1100, 61.1018

Square

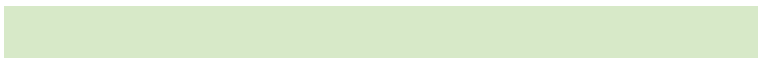
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.1663, 77.1100, 105.3190



80.4119, 77.1100, 68.6074



67.7133, 77.1100, 65.7030



66.6029, 77.1100, 101.4467

Rectangle

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



79.1663, 77.1100, 105.3190



82.6289, 77.1100, 84.1055



67.7133, 77.1100, 65.7030



64.6840, 77.1100, 83.8140

Sweetspot

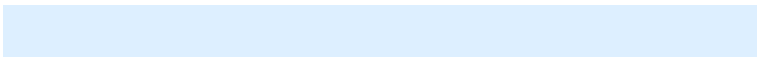
The Sweet Spot groups the original color and five complimentary colors.



79.1684, 77.1132, 105.3195



90.0304, 92.7093, 107.7573



78.6110, 84.0741, 106.6924



19.0734, 19.5589, 23.0199



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.



79.1684, 77.1132, 105.3195



76.2759, 73.0084, 104.6796



84.9397, 80.0884, 105.5895



17.8684, 17.8239, 22.7485



14.2155, 6.2389, 49.8896



1.5101, 0.6724, 4.8635

Inverse Universe

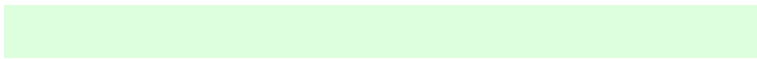
The Inverse Universe completely reimagines the original color for something new.



82.5310, 79.1490, 91.8190



80.2750, 75.4296, 88.6238



78.8051, 92.2028, 82.0538



18.3882, 18.1386, 20.6614



23.6431, 11.9465, 12.0369



2.3572, 1.1852, 1.4623

Previews

White Background



This preview shows how the XYZ color 79.1663, 77.1100, 105.3190 looks on a white background.

Color Contrast Check

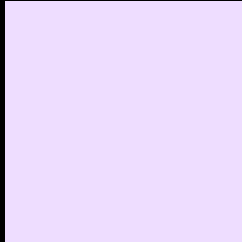
Large Text (above 18pt) WCAG AA × Fail

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 79.1663, 77.1100, 105.3190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

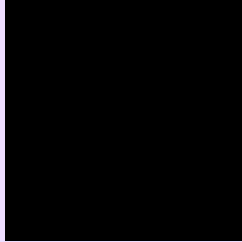
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 79.1663, 77.1100, 105.3190

Background



This preview shows how black text looks on a background with the XYZ color 79.1663, 77.1100, 105.3190.



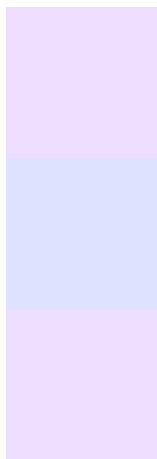
This preview shows how white text looks on a background with the XYZ color 79.1663, 77.1100,

105.3190.

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

79.1663, 77.1100, 105.3190

Protanopia

75.6778, 77.3007, 105.5396

Deuteranopia

78.8315, 76.9374, 105.3033



Tritanopia

76.8569, 76.9591, 94.0229

Trichromacy



Original Color

79.1663, 77.1100, 105.3190

Protanomaly

76.7006, 77.0253, 105.4326

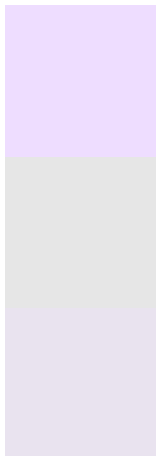
Deuteranomaly

78.8315, 76.9374, 105.3033

Tritanomaly

77.6809, 76.9009, 97.9379

Monochromacy



Original Color

79.1663, 77.1100, 105.3190

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

76.6533, 78.4938, 92.7721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.1663, 77.1100, 105.3190 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(238, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 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(238, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 221, 255) }
```

Border

The CSS property to change the border of an element to XYZ 79.1663, 77.1100, 105.3190 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(238, 221, 255) }
```


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

```
.border{ border-color:rgb(238, 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(238, 221, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 221,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 79.1663, 77.1100, 105.3190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 221, 255) }
```

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

```
.background{ background-color: rgb(238,  
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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