

Converting Colors

XYZ(76.0803, 78.6299,
105.7750)

Have a look what the booklet for
XYZ(76.0803, 78.6299, 105.7750)
contains.

XYZ(76.1935, 78.7882, 105.7996)	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(76.1935, 78.7882,
105.7996)**

Conversions

Conversions Part 1

Format	Color
Hex	DEE5FF
RGB	222, 229, 255
RGB Percent	87%, 90%, 100%
CMY	0.1294, 0.1019, 0.0000
CMYK	0.13, 0.10, 0.00, 0.00
HSL	227°, 100%, 94%
HSV	227°, 13%, 100%
XYZ	76.1935, 78.7882, 105.7996
YIQ	229.8710, -12.5180, 6.6020

Conversions

Conversions Part 2

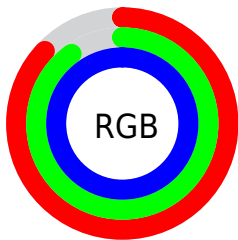
Format	Color
R_{YB}	222, 228, 255
Decimal	14607871
CIE Lab	91.14, 2.67, -13.37
CIE LCh	91, 13.637, 281.302
Yxy	78.7882, 0.2922, 0.3021
Android (android.graphics.Color)	4292797951 (0xFFDEE5FF)
YUV	229.8710, 12.3886, -6.9029
Hunter-Lab	88.7627, -2.1112, -8.5361

Details

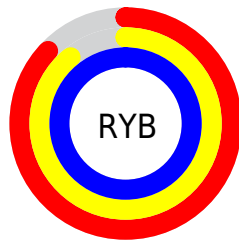
The XYZ color **76.1935, 78.7882, 105.7996** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.9917, 93.6671, 82.5507**, and the grayscale version is **75.0382, 78.9460, 85.9722**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.2654, 42.5648, 59.4670** is the 20% darker color. If you saturate the color by 10%, you get **63.7259, 64.5833, 103.7149**, and if you desaturate by 10%, it is **90.4897, 94.8947, 108.1549**.

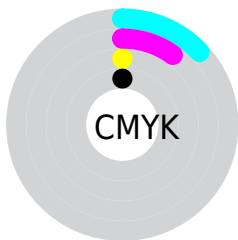
Distribution



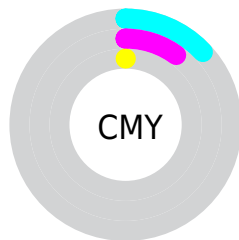
- Red (87%)
- Green (90%)
- Blue (100%)



- Red (87%)
- Yellow (89%)
- Blue (100%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.1935, 78.7882, 105.7996 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 76.1935, 78.7882, 105.7996 by changing the saturation by 10% instead.

■ 76.1935, 78.7882,
105.7996

■ 76.1935, 78.7882,
105.7996

470.9440,
490.8395, 600.0357

■ 56.8888, 58.7217,
80.5090

126.9793,
131.6606, 171.2257

■ 41.1558, 42.3891,
59.6087

159.1911,
165.2354, 212.1983

■ 28.6290, 29.4061,
42.6801

196.4360,
204.0816, 259.2354

■ 18.9432, 19.3882,
29.3046

239.0793,
248.5838, 312.7554

■ 11.7330, 11.9511,
19.0638

287.4864,
299.1263, 373.1769

■ 6.6331, 6.7104,
11.5391

342.0227,

■ 3.2780, 3.2817,

356.0935, 440.9184

6.3120

403.0534,
419.8697, 516.3985

■ 1.3024, 1.2805,
2.9639

■ 0.1850, 0.1260,
1.0762

■ 76.1935, 78.7882,
105.7996

■ 76.1935, 78.7882,
105.7996

■ 63.7259, 64.5833,
103.7149

■ 90.4897, 94.8947,
108.1549

■ 53.0058, 52.1996,
101.8896

95.0500, 100.0000,
108.9000

■ 43.9554, 41.5648,
100.3138

■ 36.4885, 32.5980,
98.9766

■ 30.5106, 25.2120,
97.8661

■ 25.9172, 19.3109,
96.9691

■ 22.5890, 14.7876,
96.2715

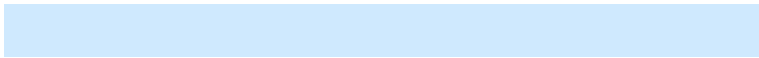
■ 20.3847, 11.5190,
95.7567

■ 19.3746, 9.8692,
95.4915

Harmonies

Analogous

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



72.7791, 78.7882, 105.0717



76.1935, 78.7882, 105.7996



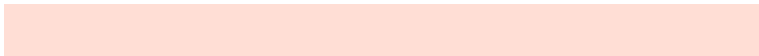
79.3504, 78.7882, 100.8666

Triad

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



76.1935, 78.7882, 105.7996



79.9811, 78.7882, 73.8478



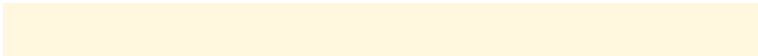
68.7759, 78.7882, 79.8390

Complementary

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



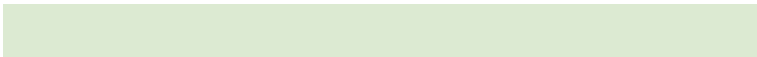
76.1935, 78.7882, 105.7996



87.9917, 93.6671, 82.5507

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.



70.5919, 78.7882, 72.2905



76.1935, 78.7882, 105.7996



77.0328, 78.7882, 69.0192

Square

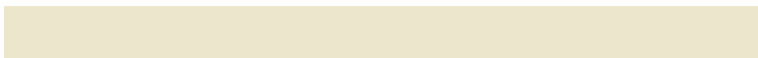
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.1935, 78.7882, 105.7996



81.5815, 78.7882, 82.1171



73.5932, 78.7882, 68.4719



68.5669, 78.7882, 89.5646

Rectangle

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



76.1935, 78.7882, 105.7996



80.8571, 78.7882, 95.2378



73.5932, 78.7882, 68.4719



69.2160, 78.7882, 76.9830

Sweetspot

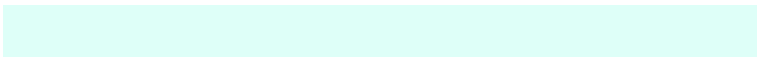
The Sweet Spot groups the original color and five complimentary colors.



76.1956, 78.7914, 105.8001



88.8864, 93.0964, 107.8923



82.8050, 93.8180, 102.4298



18.7845, 19.6561, 23.0539



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.



76.1956, 78.7914, 105.8001



72.1899, 74.2461, 105.1339



77.2405, 76.5112, 105.3049



17.3154, 18.0024, 22.8121



10.2103, 5.3301, 49.9253



1.0691, 0.6689, 4.8860

Inverse Universe

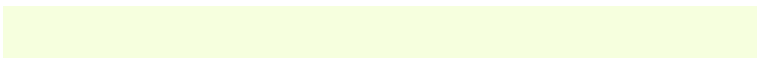
The Inverse Universe completely reimagines the original color for something new.



81.5054, 79.1612, 85.1163



78.6374, 74.7745, 80.0004



86.8287, 96.3238, 83.1248



18.1671, 18.0501, 19.4970



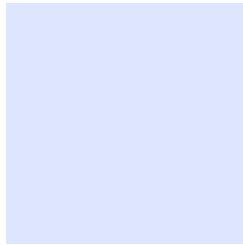
21.9419, 11.2660, 3.0784



2.1742, 1.1121, 0.4990

Previews

White Background



This preview shows how the XYZ color 76.1935, 78.7882, 105.7996 looks on a white background.

Color Contrast Check

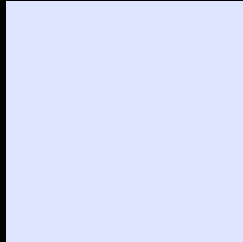
Large Text (above 18pt) WCAG AA × Fail

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 76.1935, 78.7882, 105.7996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

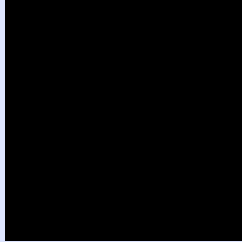
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.1935, 78.7882, 105.7996

Background



This preview shows how black text looks on a background with the XYZ color 76.1935, 78.7882, 105.7996.



This preview shows how white text looks on a background with the XYZ color 76.1935, 78.7882,

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

76.1935, 78.7882, 105.7996

Protanopia

76.9968, 78.8113, 104.9199

Deuteranopia

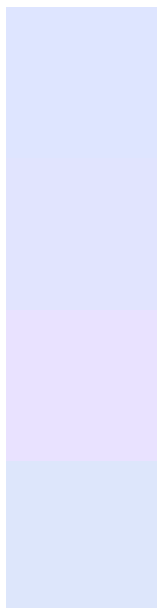
80.3023, 78.8820, 105.6011



Tritanopia

75.0589, 78.7431, 100.0498

Trichromacy



Original Color

76.1935, 78.7882, 105.7996

Protanomaly

76.6841, 78.6501, 104.9052

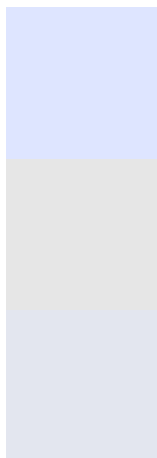
Deuteranomaly

78.8506, 78.9364, 105.6881

Tritanomaly

75.5282, 78.9308, 102.5212

Monochromacy



Original Color

76.1935, 78.7882, 105.7996

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

75.5554, 79.1565, 92.9579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.1935, 78.7882, 105.7996 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(222, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 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(222, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 229, 255) }
```

Border

The CSS property to change the border of an element to XYZ 76.1935, 78.7882, 105.7996 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(222, 229, 255) }
```


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

```
.border{ border-color:rgb(222, 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(222, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 229,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 76.1935, 78.7882, 105.7996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 229, 255) }
```

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

```
.background{ background-color: rgb(222,  
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](#).

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