

Converting Colors

XYZ(77.2176, 78.9652,
106.6266)

Have a look what the booklet for
XYZ(77.2176, 78.9652, 106.6266)
contains.

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Color

**XYZ(77.1574, 78.8756,
105.7656)**

Conversions

Conversions Part 1

Format	Color
Hex	E2E4FF
RGB	226, 228, 255
RGB Percent	89%, 89%, 100%
CMY	0.1137, 0.1059, 0.0000
CMYK	0.11, 0.11, 0.00, 0.00
HSL	236°, 100%, 94%
HSV	236°, 11%, 100%
XYZ	77.1574, 78.8756, 105.7656
YIQ	230.4800, -9.8590, 7.9730

Conversions

Conversions Part 2

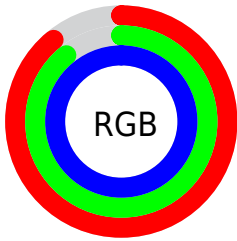
Format	Color
R _Y B	226, 228, 255
Decimal	14869759
CIE Lab	91.18, 4.45, -13.28
CIE LCh	91, 14.009, 288.530
Yxy	78.8756, 0.2947, 0.3013
Android (android.graphics.Color)	4293059839 (0xFFE2E4FF)
YUV	230.4800, 12.0884, -3.9290
Hunter-Lab	88.8119, -0.3449, -8.4397

Details

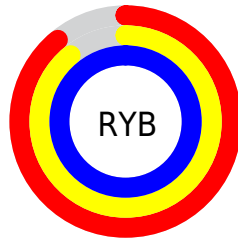
The XYZ color **77.1574, 78.8756, 105.7656** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **90.0920, 96.9996, 85.9274**, and the grayscale version is **75.4896, 79.4210, 86.4894**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9312, 42.6223, 59.4430** is the 20% darker color. If you saturate the color by 10%, you get **63.6601, 62.8814, 103.3898**, and if you desaturate by 10%, it is **92.7447, 97.2825, 108.4970**.

Distribution



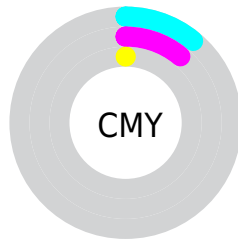
- Red (89%)
- Green (89%)
- Blue (100%)



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



- Cyan (11%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.1574, 78.8756, 105.7656 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 77.1574, 78.8756, 105.7656 by changing the saturation by 10% instead.

■ 77.1574, 78.8756,
105.7656

■ 77.1574, 78.8756,
105.7656

474.1842,
491.1354, 599.9276

■ 57.6824, 58.7935,
80.4807

128.3333,
131.7837, 171.1789

■ 41.7957, 42.4469,
59.5855

160.7650,
165.3786, 212.1443

■ 29.1317, 29.4514,
42.6615

198.2462,
204.2464, 259.1736

■ 19.3253, 19.4226,
29.2902

241.1425,
248.7718, 312.6853

■ 12.0110, 11.9760,
19.0530

289.8190,
299.3389, 373.0981

■ 6.8234, 6.7273,
11.5314

344.6413,

■ 3.3972, 3.2922,

356.3323, 440.8303

6.3068

405.9746,
420.1364, 516.3007

■ 1.3671, 1.2861,
2.9607

■ 0.2326, 0.1304,
1.0746

■ 77.1574, 78.8756,
105.7656

■ 77.1574, 78.8756,
105.7656

■ 63.6601, 62.8814,
103.3898

■ 92.7447, 97.2825,
108.4970

■ 52.1578, 49.1906,
101.3535

95.0500, 100.0000,
108.9000

■ 42.5577, 37.6999,
99.6415

■ 34.7571, 28.2945,
98.2372

■ 28.6435, 20.8490,
97.1223

■ 24.0918, 15.2245,
96.2766

■ 20.9593, 11.2639,
95.6772

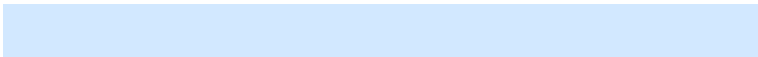
■ 19.0772, 8.7831,
95.2976

■ 18.2601, 7.6403,
95.1200

Harmonies

Analogous

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



73.6208, 78.8756, 106.4825



77.1574, 78.8756, 105.7656



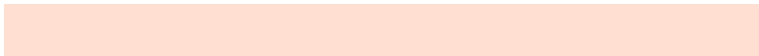
80.1964, 78.8756, 99.4776

Triad

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



77.1574, 78.8756, 105.7656



79.5768, 78.8756, 72.0616



68.4814, 78.8756, 82.0563

Complementary

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



77.1574, 78.8756, 105.7656



90.0920, 96.9996, 85.9274

Split Complementary

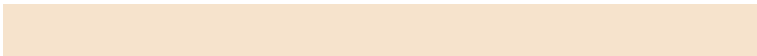
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.9736, 78.8756, 73.5855



77.1574, 78.8756, 105.7656



76.3333, 78.8756, 68.1263

Square

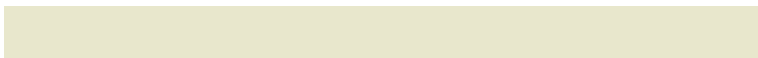
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.1574, 78.8756, 105.7656



81.6234, 78.8756, 79.8228



72.8222, 78.8756, 68.6612



68.6863, 78.8756, 92.2406

Rectangle

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



77.1574, 78.8756, 105.7656



81.4968, 78.8756, 93.2316



72.8222, 78.8756, 68.6612



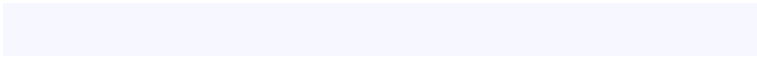
68.7992, 78.8756, 78.9294

Sweetspot

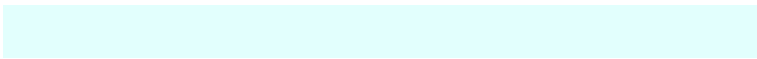
The Sweet Spot groups the original color and five complimentary colors.



77.1595, 78.8788, 105.7661



90.0614, 94.1180, 108.0276



84.7880, 94.7544, 106.4016



18.9985, 19.8168, 23.0736



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.



77.1595, 78.8788, 105.7661



73.4130, 74.4452, 105.1078



80.5352, 79.8056, 105.7671



17.1038, 17.5791, 22.7416



9.5782, 4.0659, 49.7146



0.9661, 0.4629, 4.8517

Inverse Universe

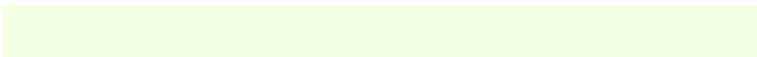
The Inverse Universe completely reimagines the original color for something new.



82.4412, 81.2555, 84.7414



79.8034, 77.3411, 79.6654



86.4214, 96.0511, 85.9378



18.0603, 18.0074, 18.9345



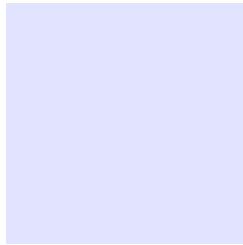
21.6228, 11.1384, 1.3983



2.1223, 1.0913, 0.2253

Previews

White Background



This preview shows how the XYZ color 77.1574, 78.8756, 105.7656 looks on a white background.

Color Contrast Check

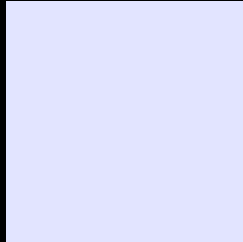
Large Text (above 18pt) WCAG AA × Fail

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 77.1574, 78.8756, 105.7656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

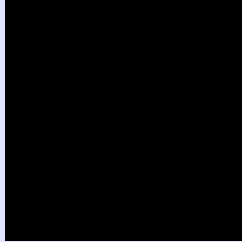
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.1574, 78.8756, 105.7656

Background



This preview shows how black text looks on a background with the XYZ color 77.1574, 78.8756, 105.7656.

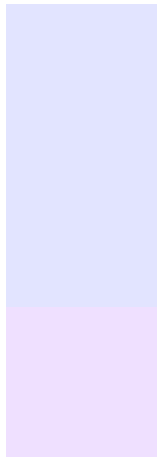


This preview shows how white text looks on a background with the XYZ color 77.1574, 78.8756,

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

77.1574, 78.8756, 105.7656

Protanopia

77.1574, 78.8756, 105.7656

Deuteranopia

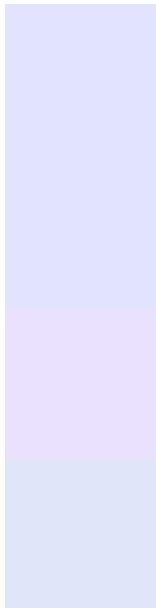
80.3023, 78.8820, 105.6011



Tritanopia

75.8591, 78.7616, 99.2000

Trichromacy



Original Color

77.1574, 78.8756, 105.7656

Protanomaly

77.1574, 78.8756, 105.7656

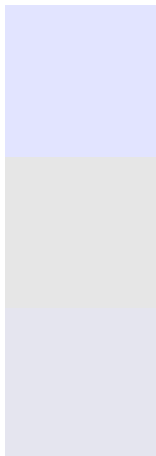
Deuteranomaly

78.9069, 78.5629, 105.6130

Tritanomaly

76.3260, 78.9483, 101.6582

Monochromacy



Original Color

77.1574, 78.8756, 105.7656

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

75.9124, 78.9286, 92.8951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.1574, 78.8756, 105.7656 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(226, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 228, 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(226, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 228, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.1574, 78.8756, 105.7656 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(226, 228, 255) }
```


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

```
.border{ border-color:rgb(226, 228, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 228,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.1574, 78.8756, 105.7656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 228, 255) }
```

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

```
.background{ background-color: rgb(226,  
228, 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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