

Converting Colors

XYZ(81.0133, 79.9963,
123.8136)

Have a look what the booklet for
XYZ(81.0133, 79.9963, 123.8136)
contains.

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Color

**XYZ(77.5140, 78.6522,
105.7037)**

Conversions

Conversions Part 1

Format	Color
Hex	E4E3FF
RGB	228, 227, 255
RGB Percent	89%, 89%, 100%
CMY	0.1059, 0.1098, 0.0000
CMYK	0.11, 0.11, 0.00, 0.00
HSL	242°, 100%, 95%
HSV	242°, 11%, 100%
XYZ	77.5140, 78.6522, 105.7037
YIQ	230.4910, -8.3920, 8.9200

Conversions

Conversions Part 2

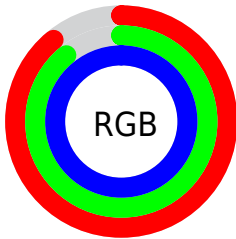
Format	Color
R _Y B	228, 227, 255
Decimal	15000575
CIE Lab	91.08, 5.61, -13.42
CIE LCh	91, 14.543, 292.674
Yxy	78.6522, 0.2960, 0.3003
Android (android.graphics.Color)	4293190655 (0xFFE4E3FF)
YUV	230.4910, 12.0829, -2.1846
Hunter-Lab	88.6861, 0.8131, -8.5867

Details

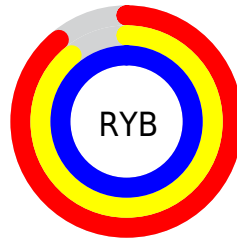
The XYZ color **77.5140, 78.6522, 105.7037** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **90.5001, 98.1378, 86.8495**, and the grayscale version is **75.4971, 79.4288, 86.4980**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9588, 42.3529, 59.3895** is the 20% darker color. If you saturate the color by 10%, you get **63.7951, 61.9834, 103.2094**, and if you desaturate by 10%, it is **93.3797, 97.9652, 108.5953**.

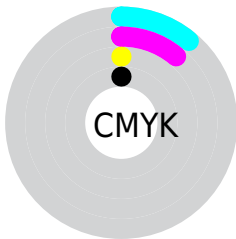
Distribution



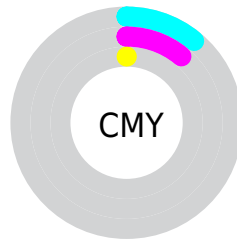
- Red (89%)
- Green (89%)
- Blue (100%)



- 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 77.5140, 78.6522, 105.7037 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 77.5140, 78.6522, 105.7037 by changing the saturation by 10% instead.

■ 77.5140, 78.6522,
105.7037

■ 77.5140, 78.6522,
105.7037

475.3798,
490.3790, 599.7307

■ 57.9762, 58.6099,
80.4291

128.8338,
131.4691, 171.0935

■ 42.0327, 42.2992,
59.5433

161.3465,
165.0125, 212.0458

■ 29.3181, 29.3356,
42.6277

198.9149,
203.8251, 259.0611

■ 19.4671, 19.3349,
29.2639

241.9044,
248.2912, 312.5578

■ 12.1143, 11.9125,
19.0332

290.6803,
298.7952, 372.9546

■ 6.8943, 6.6841,
11.5172

345.6079,

■ 3.4418, 3.2653,

355.7216, 440.6700

6.2974

407.0526,
419.4547, 516.1225

■ 1.3915, 1.2718,
2.9550

■ 0.2502, 0.1192,
1.0717

■ 77.5140, 78.6522,
105.7037

■ 77.5140, 78.6522,
105.7037

■ 63.7951, 61.9834,
103.2094

■ 93.3797, 97.9652,
108.5953

■ 52.1247, 47.8348,
101.0935

■ 95.0500, 100.0000,
108.9000

■ 42.4066, 36.0865,
99.3381

■ 34.5342, 26.6055,
97.9230

■ 28.3905, 19.2455,
96.8262

■ 23.8455, 13.8434,
96.0230

■ 20.7507, 10.2121,
95.4852

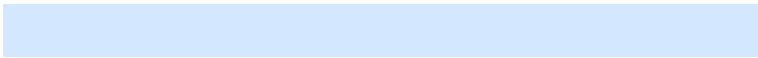
■ 18.9296, 8.1285,
95.1790

■ 18.1637, 7.2786,
95.0553

Harmonies

Analogous

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



73.8591, 78.6522, 107.3217



77.5140, 78.6522, 105.7037



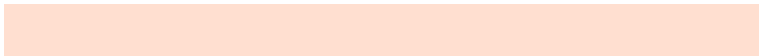
80.5181, 78.6522, 98.5060

Triad

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



77.5140, 78.6522, 105.7037



79.1238, 78.6522, 70.5320



67.9642, 78.6522, 83.0841

Complementary

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



77.5140, 78.6522, 105.7037



90.5001, 98.1378, 86.8495

Split Complementary

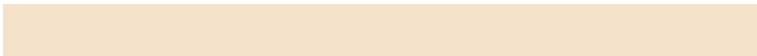
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.2766, 78.6522, 73.9441



77.5140, 78.6522, 105.7037



75.6612, 78.6522, 67.0928

Square

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



77.5140, 78.6522, 105.7037



81.4686, 78.6522, 78.0714



72.0653, 78.6522, 68.2888



68.4237, 78.6522, 93.6802

Rectangle

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



77.5140, 78.6522, 105.7037



81.7077, 78.6522, 91.8085



72.0653, 78.6522, 68.2888



68.2113, 78.6522, 79.7520

Sweetspot

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



77.5161, 78.6554, 105.7042



89.9955, 93.8433, 107.9780



85.1933, 94.4778, 108.3536



18.9808, 19.7430, 23.0603



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.



77.5161, 78.6554, 105.7042



74.5722, 75.0757, 105.1684



82.1165, 81.0270, 105.9195



17.0628, 17.4086, 22.7108



9.5168, 3.8165, 49.6697



0.9467, 0.3820, 4.8371

Inverse Universe

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



86.6004, 83.3570, 105.2938



85.1820, 80.5671, 104.6760



85.5846, 95.6038, 86.6195



18.7631, 18.2885, 22.6355



30.2468, 14.5880, 46.8114



2.9534, 1.4237, 4.6021

Previews

White Background



This preview shows how the XYZ color 77.5140, 78.6522, 105.7037 looks on a white background.

Color Contrast Check

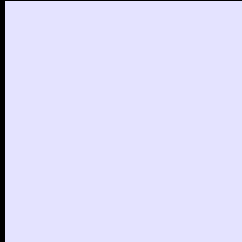
Large Text (above 18pt) WCAG AA × Fail

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 77.5140, 78.6522, 105.7037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

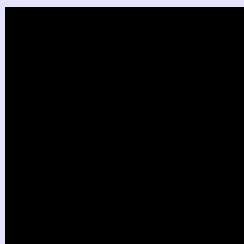
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.5140, 78.6522, 105.7037

Background



This preview shows how black text looks on a background with the XYZ color 77.5140, 78.6522, 105.7037.



This preview shows how white text looks on a background with the XYZ color 77.5140, 78.6522,

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

77.5140, 78.6522, 105.7037

Protanopia

77.1574, 78.8756, 105.7656

Deuteranopia

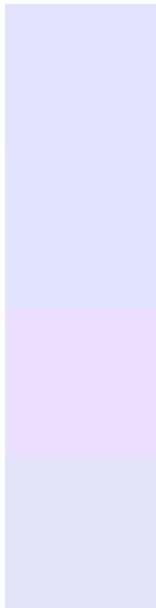
80.0343, 78.3461, 105.5118



Tritanopia

76.0565, 78.4715, 98.3267

Trichromacy



Original Color

77.5140, 78.6522, 105.7037

Protanomaly

77.4720, 79.0377, 105.7803

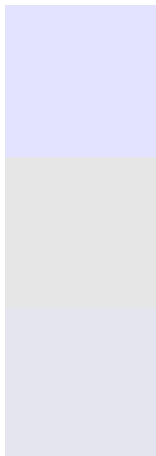
Deuteranomaly

78.9666, 78.1935, 105.5386

Tritanomaly

76.5208, 78.6573, 100.7718

Monochromacy



Original Color

77.5140, 78.6522, 105.7037

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 77.5140, 78.6522, 105.7037 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(228, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 227, 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(228, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 227, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.5140, 78.6522, 105.7037 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(228, 227, 255) }
```


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

```
.border{ border-color:rgb(228, 227, 255) }
```

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

Here you see how a box with a 4 pixel rgb(228, 227, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 227,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.5140, 78.6522, 105.7037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 227, 255) }
```

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

```
.background{ background-color: rgb(228,  
227, 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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