

# Converting Colors

XYZ(78.1616, 78.9657,  
105.7301)

Have a look what the booklet for  
XYZ(78.1616, 78.9657, 105.7301)  
contains.

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# **Color**

**XYZ(78.1522, 78.9812,  
105.7336)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E6E3FF
RGB	230, 227, 255
RGB Percent	90%, 89%, 100%
CMY	0.0980, 0.1098, 0.0000
CMYK	0.10, 0.11, 0.00, 0.00
HSL	246°, 100%, 95%
HSV	246°, 11%, 100%
XYZ	78.1522, 78.9812, 105.7336
YIQ	231.0890, -7.2000, 9.3440

# Conversions

## Conversions Part 2

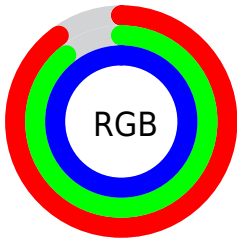
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">230, 227, 255</a>
Decimal	<a href="#">15131647</a>
CIELab	<a href="#">91.23, 6.24, -13.18</a>
CIELCh	<a href="#">91, 14.584, 295.342</a>
Yxy	<a href="#">78.9812, 0.2973, 0.3005</a>
Android (android.graphics.Color)	<a href="#">4293321727</a> ( <a href="#">0xFFE6E3FF</a> )
YUV	<a href="#">231.0890, 11.7881, -0.9551</a>
Hunter-Lab	<a href="#">88.8714, 1.4454, -8.3296</a>

# Details

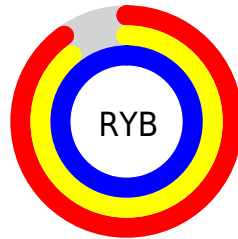
The XYZ color **78.1522, 78.9812, 105.7336** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **89.7720, 97.7624, 86.8155**, and the grayscale version is **75.9426, 79.8976, 87.0084**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4011, 42.5809, 59.4102** is the 20% darker color. If you saturate the color by 10%, you get **64.8515, 62.5281, 103.2588**, and if you desaturate by 10%, it is **93.4445, 97.9986, 108.5983**.

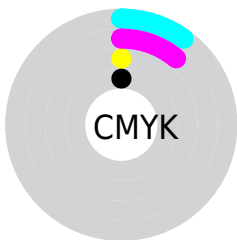
# Distribution



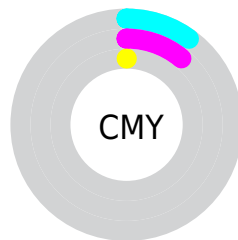
- Red (90%)
- Green (89%)
- Blue (100%)



- Red (90%)
- Yellow (89%)
- Blue (100%)



- Cyan (10%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (11%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.1522, 78.9812, 105.7336 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 78.1522, 78.9812, 105.7336 by changing the saturation by 10% instead.



78.1522, 78.9812,  
105.7336

78.1522, 78.9812,  
105.7336

477.5155,  
491.4927, 599.8258

58.5022, 58.8804,  
80.4540

129.7289,  
131.9324, 171.1347

42.4574, 42.5168,  
59.5637

162.3863,  
165.5515, 212.0934

29.6523, 29.5062,  
42.6440

200.1103,  
204.4456, 259.1154

19.7216, 19.4641,  
29.2766

243.2661,  
248.9989, 312.6194

12.2999, 12.0061,  
19.0428

292.2192,  
299.5958, 373.0239

7.0219, 6.7478,  
11.5241

347.3349,

3.5223, 3.3049,

356.6209, 440.7475

6.3019

408.9785,  
420.4584, 516.2086

■ 1.4356, 1.2929,  
2.9578

■ 0.2814, 0.1357,  
1.0731

■ 78.1522, 78.9812,  
105.7336

■ 78.1522, 78.9812,  
105.7336

■ 64.8515, 62.5281,  
103.2588

■ 93.4445, 97.9986,  
108.5983

■ 53.4542, 48.5202,  
101.1557

■ 95.0500, 100.0000,  
108.9000

■ 43.8747, 36.8434,  
99.4068

■ 36.0185, 27.3707,  
97.9924

■ 29.7823, 19.9630,  
96.8913

■ 25.0519, 14.4653,  
96.0794

■ 21.6977, 10.7003,  
95.5295

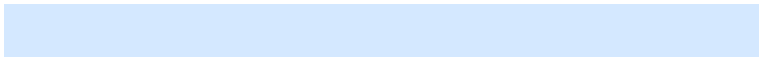
■ 19.5678, 8.4575,  
95.2089

■ 18.5099, 7.4571,  
95.0715

# Harmonies

## Analogous

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



74.4936, 78.9812, 107.9190



78.1522, 78.9812, 105.7336



81.0678, 78.9812, 98.0981

# Triad

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



78.1522, 78.9812, 105.7336



79.1835, 78.9812, 70.3189



68.2067, 78.9812, 84.3548

# Complementary

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



78.1522, 78.9812, 105.7336



89.7720, 97.7624, 86.8155

# Split Complementary

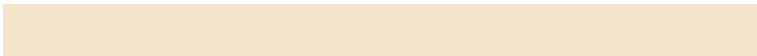
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.3742, 78.9812, 74.9345



78.1522, 78.9812, 105.7336



75.6479, 78.9812, 67.2651

# Square

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



78.1522, 78.9812, 105.7336



81.6768, 78.9812, 77.5768



72.0685, 78.9812, 68.8834



68.8281, 78.9812, 95.0057



# Rectangle

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



78.1522, 78.9812, 105.7336



82.1564, 78.9812, 91.2509



72.0685, 78.9812, 68.8834



68.4018, 78.9812, 80.9490

# Sweetspot

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



78.1543, 78.9844, 105.7341



90.1892, 93.9431, 107.9871



84.6037, 93.2986, 108.1571



19.0328, 19.7698, 23.0628



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.



78.1543, 78.9844, 105.7341



75.3072, 75.4546, 105.2028



82.7602, 81.3588, 105.9496



17.1834, 17.4708, 22.7165



9.7297, 3.9263, 49.6796



1.0037, 0.4114, 4.8398



# Inverse Universe

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



86.2818, 83.2296, 103.6156



84.8053, 80.4165, 102.6926



84.9540, 95.2787, 86.5900



18.7039, 18.2649, 22.3241



28.8783, 14.0406, 39.6053



2.8348, 1.3763, 3.9775



# Previews

## White Background



This preview shows how the XYZ color 78.1522, 78.9812, 105.7336 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

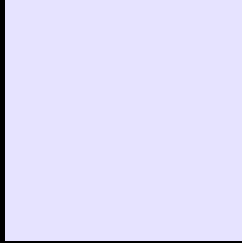
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.1522, 78.9812, 105.7336 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

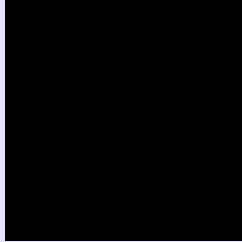
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 78.1522, 78.9812, 105.7336

## Background



This preview shows how black text looks on a background with the XYZ color 78.1522, 78.9812, 105.7336.



This preview shows how white text looks on a background with the XYZ color 78.1522, 78.9812,



# 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

78.1522, 78.9812, 105.7336

### Protanopia

77.1574, 78.8756, 105.7656

### Deuteranopia

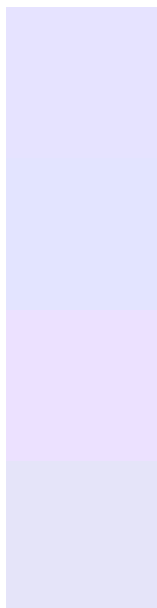
80.6408, 79.0566, 105.6170



## Tritanopia

76.6911, 78.7986, 98.3564

# Trichromacy



## Original Color

78.1522, 78.9812, 105.7336

## Protanomaly

77.4720, 79.0377, 105.7803

## Deuteranomaly

79.5673, 78.9033, 105.6440

## Tritanomaly

77.1554, 78.9844, 100.8015

# Monochromacy



## Original Color

78.1522, 78.9812, 105.7336

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

76.9800, 79.8738, 93.7980

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.1522, 78.9812, 105.7336 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, 227, 255) looks like.

```
.text, #text, p{  
    color:rgb(230, 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(230, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 227, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 78.1522, 78.9812, 105.7336 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, 227, 255) }
```



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

```
.border{ border-color:rgb(230, 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(230, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 227,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.1522, 78.9812, 105.7336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 227, 255) }
```

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

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