

Converting Colors

XYZ(88.3388, 80.1129,
155.7108)

Have a look what the booklet for
XYZ(88.3388, 80.1129, 155.7108)
contains.

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Color

**XYZ(78.6414, 76.0602,
105.1440)**

Conversions

Conversions Part 1

Format	Color
Hex	EEDBFF
RGB	238, 219, 255
RGB Percent	93%, 86%, 100%
CMY	0.0667, 0.1412, 0.0000
CMYK	0.07, 0.14, 0.00, 0.00
HSL	272°, 100%, 93%
HSV	272°, 14%, 100%
XYZ	78.6414, 76.0602, 105.1440
YIQ	228.7850, -0.2320, 15.2240

Conversions

Conversions Part 2

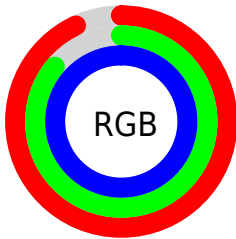
Format	Color
R _Y B	238, 219, 255
Decimal	15653887
CIE Lab	89.89, 12.99, -15.12
CIE LCh	90, 19.932, 310.661
Yxy	76.0602, 0.3026, 0.2927
Android (android.graphics.Color)	4293843967 (0xFFEEDBFF)
YUV	228.7850, 12.9240, 8.0816
Hunter-Lab	87.2125, 8.3354, -10.4317

Details

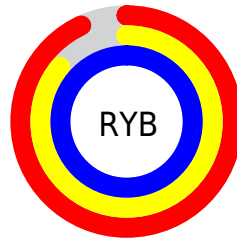
The XYZ color **78.6414, 76.0602, 105.1440** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.1402, 94.4682, 80.8738**, and the grayscale version is **74.2282, 78.0939, 85.0442**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7599, 40.5732, 59.0038** is the 20% darker color. If you saturate the color by 10%, you get **68.5833, 61.7460, 102.9112**, and if you desaturate by 10%, it is **89.9931, 92.5581, 107.7301**.

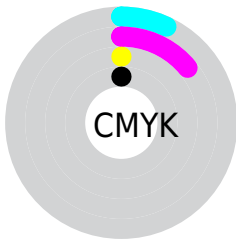
Distribution



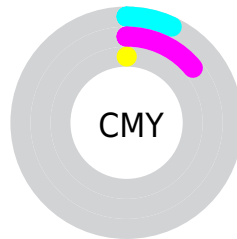
- Red (93%)
- Green (86%)
- Blue (100%)



- Red (93%)
- Yellow (86%)
- Blue (100%)



- Cyan (7%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)





- Cyan (7%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.6414, 76.0602, 105.1440 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 78.6414, 76.0602, 105.1440 by changing the saturation by 10% instead.


 78.6414, 76.0602,
105.1440

 78.6414, 76.0602,
105.1440


479.1489,
481.5537, 597.9489

 58.9056, 56.4819,
79.9627


130.4145,
127.8120, 170.3217

 42.7832, 40.5894,
59.1616


163.1825,
160.7543, 211.1552

 29.9089, 27.9984,
42.3224


201.0254,
198.9200, 258.0432

 19.9171, 18.3244,
29.0264

244.3083,
242.6935, 311.4041

 12.4427, 11.1832,
18.8550

293.3968,
292.4592, 371.6566

 7.1203, 6.1902,
11.3898

348.6562,

 3.5844, 2.9611,

348.6016, 439.2192

6.2122

410.4518,
411.5050, 514.5105

■ 1.4698, 1.1114,
2.9037

■ 0.3052, 0.0000,
1.0457

■ 78.6414, 76.0602,
105.1440

■ 78.6414, 76.0602,
105.1440

■ 68.5833, 61.7460,
102.9112

■ 89.9931, 92.5581,
107.7301

■ 59.7611, 49.5110,
101.0146

95.0500, 100.0000,
108.9000

■ 52.1218, 39.2559,
99.4378

■ 45.6055, 30.8695,
98.1625

■ 40.1466, 24.2292,
97.1685

■ 35.6718, 19.1969,
96.4330

■ 32.0966, 15.6132,
95.9297

■ 29.3188, 13.2830,
95.6263

■ 27.9740, 12.3360,
95.5144

Harmonies

Analogous

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



74.0592, 76.0602, 112.4354



78.6414, 76.0602, 105.1440



81.6030, 76.0602, 92.1279

Triad

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



78.6414, 76.0602, 105.1440



75.4750, 76.0602, 59.7686



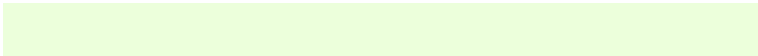
63.3790, 76.0602, 87.9365

Complementary

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



78.6414, 76.0602, 105.1440



83.1402, 94.4682, 80.8738

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.



63.7194, 76.0602, 74.1549



78.6414, 76.0602, 105.1440



70.5550, 76.0602, 58.9179

Square

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



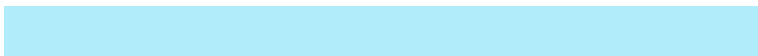
78.6414, 76.0602, 105.1440



79.7182, 76.0602, 66.3702



66.2957, 76.0602, 63.8974



65.3437, 76.0602, 101.7775

Rectangle

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



78.6414, 76.0602, 105.1440



82.1830, 76.0602, 82.5042



66.2957, 76.0602, 63.8974



63.2300, 76.0602, 83.1298

Sweetspot

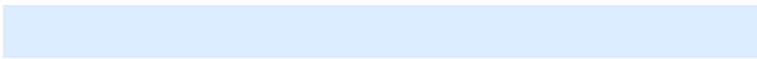
The Sweet Spot groups the original color and five complimentary colors.



78.6435, 76.0633, 105.1445



90.1319, 92.7617, 107.7621



77.3766, 82.5040, 106.4544



19.0991, 19.5722, 23.0211



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.



78.6435, 76.0633, 105.1445



75.6115, 71.7141, 104.4648



84.5265, 79.1073, 104.9164



17.9182, 17.8495, 22.7509



14.7909, 6.5355, 49.9165



1.5663, 0.7014, 4.8661

Inverse Universe

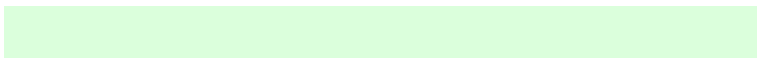
The Inverse Universe completely reimagines the original color for something new.



81.7138, 77.9822, 90.1049



79.2789, 74.0053, 86.5406



77.8411, 91.7273, 81.0389



18.3665, 18.1299, 20.5470



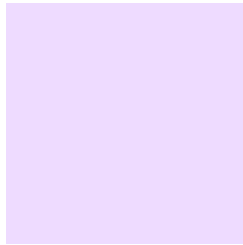
23.4077, 11.8524, 10.7976



2.3338, 1.1759, 1.3393

Previews

White Background



This preview shows how the XYZ color 78.6414, 76.0602, 105.1440 looks on a white background.

Color Contrast Check

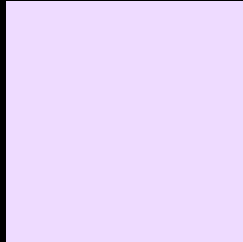
Large Text (above 18pt) WCAG AA × Fail

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 78.6414, 76.0602, 105.1440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

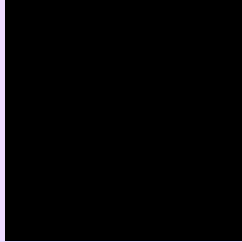
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.6414, 76.0602, 105.1440

Background



This preview shows how black text looks on a background with the XYZ color 78.6414, 76.0602, 105.1440.

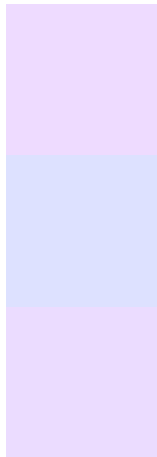


This preview shows how white text looks on a background with the XYZ color 78.6414, 76.0602,

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

78.6414, 76.0602, 105.1440

Protanopia

74.7940, 76.4426, 105.4206

Deuteranopia

77.9041, 76.0686, 105.1845



Tritanopia

76.2933, 76.3074, 92.3691

Trichromacy



Original Color

78.6414, 76.0602, 105.1440

Protanomaly

76.1162, 76.3262, 105.3284

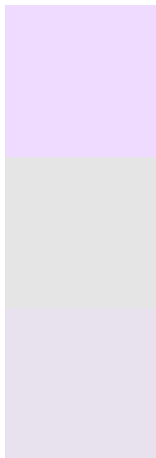
Deuteranomaly

78.2353, 76.2393, 105.1999

Tritanomaly

77.2629, 76.3100, 97.0433

Monochromacy



Original Color

78.6414, 76.0602, 105.1440

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

75.6365, 77.1793, 91.7995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.6414, 76.0602, 105.1440 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, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 219, 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, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 219, 255) }
```

Border

The CSS property to change the border of an element to XYZ 78.6414, 76.0602, 105.1440 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, 219, 255) }
```


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

```
.border{ border-color:rgb(238, 219, 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, 219, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 219,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 78.6414, 76.0602, 105.1440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 219, 255) }
```

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

```
.background{ background-color: rgb(238,  
219, 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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