

Converting Colors

XYZ(76.0572, 71.9439,
104.4857)

Have a look what the booklet for
XYZ(76.0572, 71.9439, 104.4857)
contains.

XYZ(76.1856, 72.1398, 104.5167)	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(76.1856, 72.1398,
104.5167)**

Conversions

Conversions Part 1

Format	Color
Hex	ECD4FF
RGB	236, 212, 255
RGB Percent	93%, 83%, 100%
CMY	0.0745, 0.1686, 0.0000
CMYK	0.07, 0.17, 0.00, 0.00
HSL	273°, 100%, 92%
HSV	273°, 17%, 100%
XYZ	76.1856, 72.1398, 104.5167
YIQ	224.0780, 0.5010, 18.4610

Conversions

Conversions Part 2

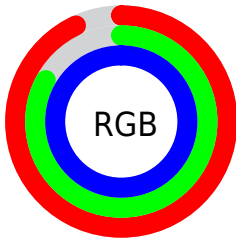
Format	Color
R _Y B	236, 212, 255
Decimal	15521023
CIE Lab	88.04, 16.03, -17.92
CIE LCh	88, 24.042, 311.816
Yxy	72.1398, 0.3013, 0.2853
Android (android.graphics.Color)	4293711103 (0xFFECD4FF)
YUV	224.0780, 15.2445, 10.4556
Hunter-Lab	84.9352, 11.4754, -13.5045

Details

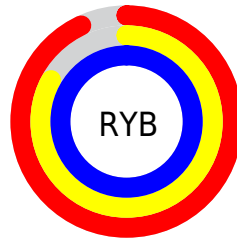
The XYZ color **76.1856, 72.1398, 104.5167** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.6002, 93.2631, 76.0442**, and the grayscale version is **70.8033, 74.4906, 81.1203**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.0724, 37.8945, 58.5757** is the 20% darker color. If you saturate the color by 10%, you get **66.6842, 58.5160, 102.3878**, and if you desaturate by 10%, it is **86.9336, 87.9045, 106.9931**.

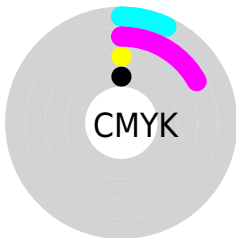
Distribution



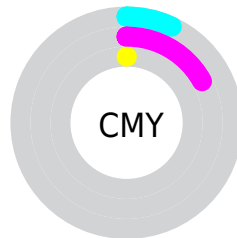
- Red (93%)
- Green (83%)
- Blue (100%)



- Red (93%)
- Yellow (83%)
- Blue (100%)



- Cyan (7%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.1856, 72.1398, 104.5167 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 76.1856, 72.1398, 104.5167 by changing the saturation by 10% instead.

76.1856, 72.1398,
104.5167

76.1856, 72.1398,
104.5167

470.9174,
468.0280, 595.9485

56.8823, 53.2729,
79.4401

126.9682,
122.2553, 169.4562

41.1505, 38.0207,
58.7343

159.1782,
154.2726, 210.1563

28.6249, 25.9987,
41.9807

196.4211,
191.4422, 256.9013

18.9401, 16.8227,
28.7607

239.0624,
234.1485, 310.1097

11.7308, 10.1082,
18.6558

287.4673,
282.7758, 370.2000

6.6315, 5.4707,
11.2476

342.0012,

3.2770, 2.5260,

337.7086, 437.5909

6.1173

403.0294,
399.3312, 512.7009

■ 1.3019, 0.8896,
2.8466

■ 0.1846, 0.0000,
1.0169

■ 76.1856, 72.1398,
104.5167

■ 76.1856, 72.1398,
104.5167

■ 66.6842, 58.5160,
102.3878

■ 86.9336, 87.9045,
106.9931

■ 58.3721, 46.9277,
100.5891

95.0500, 100.0000,
108.9000

■ 51.1959, 37.2737,
99.1040

■ 45.0954, 29.4406,
97.9136

■ 40.0042, 23.3025,
96.9971

■ 35.8475, 18.7170,
96.3311

■ 32.5380, 15.5172,
95.8879

■ 29.9666, 13.4922,
95.6326

■ 29.2613, 12.9996,
95.5747

Harmonies

Analogous

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



70.8498, 72.1398, 113.6956



76.1856, 72.1398, 104.5167



79.5868, 72.1398, 88.8223

Triad

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



76.1856, 72.1398, 104.5167



72.0662, 72.1398, 52.2003



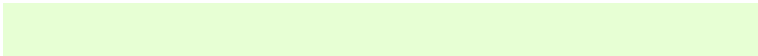
58.3288, 72.1398, 85.1945

Complementary

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



76.1856, 72.1398, 104.5167



80.6002, 93.2631, 76.0442

Split Complementary

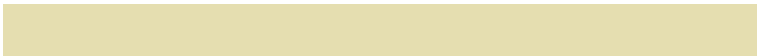
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



58.6139, 72.1398, 69.0982



76.1856, 72.1398, 104.5167



66.3332, 72.1398, 51.5118

Square

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



76.1856, 72.1398, 104.5167



77.1187, 72.1398, 59.3156



61.4735, 72.1398, 57.2820



60.6716, 72.1398, 101.5441

Rectangle

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



76.1856, 72.1398, 104.5167



80.1905, 72.1398, 77.5513



61.4735, 72.1398, 57.2820



58.1242, 72.1398, 79.5531

Sweetspot

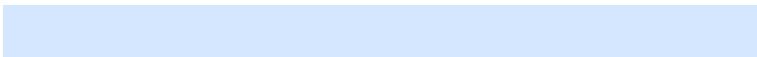
The Sweet Spot groups the original color and five complimentary colors.



76.1876, 72.1428, 104.5172



89.0742, 91.0803, 107.4933



73.8776, 78.5673, 105.8790



18.8914, 19.2363, 22.9672



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.



76.1876, 72.1428, 104.5172



73.0728, 67.6395, 103.8121



82.4905, 75.4318, 103.0156



17.9728, 17.8777, 22.7534



15.4642, 6.8826, 49.9480



1.6313, 0.7349, 4.8691

Inverse Universe

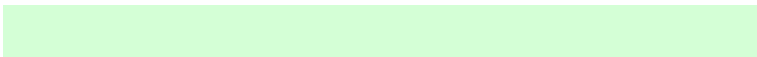
The Inverse Universe completely reimagines the original color for something new.



79.2090, 74.1192, 85.7351



76.6339, 69.9661, 81.8027



75.0702, 90.3808, 77.2107



18.3428, 18.1204, 20.4225



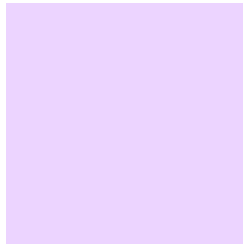
23.1689, 11.7569, 9.5399



2.3098, 1.1663, 1.2126

Previews

White Background



This preview shows how the XYZ color 76.1856, 72.1398, 104.5167 looks on a white background.

Color Contrast Check

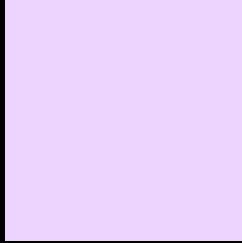
Large Text (above 18pt) WCAG AA × Fail

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 76.1856, 72.1398, 104.5167 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 76.1856, 72.1398, 104.5167

Background



This preview shows how black text looks on a background with the XYZ color 76.1856, 72.1398, 104.5167.

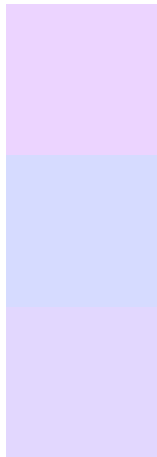


This preview shows how white text looks on a background with the XYZ color 76.1856, 72.1398,

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

76.1856, 72.1398, 104.5167

Protanopia

71.1131, 72.1792, 104.7917

Deuteranopia

73.5539, 71.9254, 103.7722



Tritanopia

72.8681, 72.3186, 87.2091

Trichromacy



Original Color

76.1856, 72.1398, 104.5167

Protanomaly

72.7301, 71.8613, 104.6451

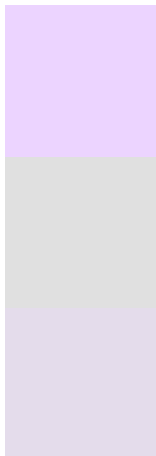
Deuteranomaly

74.5691, 72.0719, 103.7470

Tritanomaly

74.1093, 72.4442, 93.2962

Monochromacy



Original Color

76.1856, 72.1398, 104.5167

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

72.5835, 73.6785, 88.9931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.1856, 72.1398, 104.5167 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(236, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 212, 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(236, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 212, 255) }
```

Border

The CSS property to change the border of an element to XYZ 76.1856, 72.1398, 104.5167 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(236, 212, 255) }
```


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

```
.border{ border-color:rgb(236, 212, 255) }
```

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

Here you see how a box with a 4 pixel rgb(236, 212, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 212,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 76.1856, 72.1398, 104.5167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 212, 255) }
```

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

```
.background{ background-color: rgb(236,  
212, 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