

Converting Colors

XYZ(76.8992, 72.3780,
104.5251)

Have a look what the booklet for
XYZ(76.8992, 72.3780, 104.5251)
contains.

XYZ(76.8534, 72.4841, 104.5480)	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(76.8534, 72.4841,
104.5480)**

Conversions

Conversions Part 1

Format	Color
Hex	EED4FF
RGB	238, 212, 255
RGB Percent	93%, 83%, 100%
CMY	0.0667, 0.1686, 0.0000
CMYK	0.07, 0.17, 0.00, 0.00
HSL	276°, 100%, 92%
HSV	276°, 17%, 100%
XYZ	76.8534, 72.4841, 104.5480
YIQ	224.6760, 1.6930, 18.8850

Conversions

Conversions Part 2

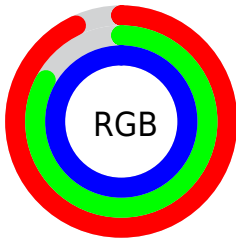
Format	Color
R _Y B	238, 212, 255
Decimal	15652095
CIE Lab	88.20, 16.67, -17.65
CIE LCh	88, 24.280, 313.361
Yxy	72.4841, 0.3027, 0.2855
Android (android.graphics.Color)	4293842175 (0xFFEED4FF)
YUV	224.6760, 14.9497, 11.6851
Hunter-Lab	85.1376, 12.1405, -13.2111

Details

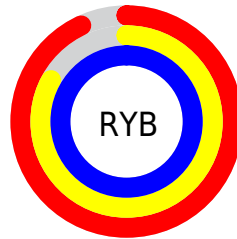
The XYZ color **76.8534, 72.4841, 104.5480** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **79.9584, 92.9323, 76.0143**, and the grayscale version is **71.2326, 74.9422, 81.6120**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5414, 38.1362, 58.5976** is the 20% darker color. If you saturate the color by 10%, you get **67.6853, 59.0321, 102.4347**, and if you desaturate by 10%, it is **87.2217, 88.0531, 107.0066**.

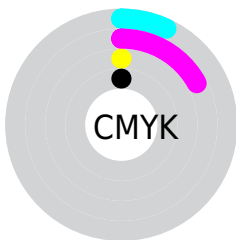
Distribution



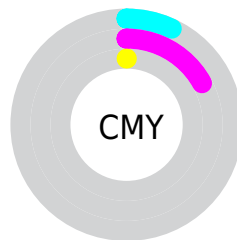
- Red (93%)
- Green (83%)
- Blue (100%)



- 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 76.8534, 72.4841, 104.5480 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 76.8534, 72.4841, 104.5480 by changing the saturation by 10% instead.

76.8534, 72.4841,
104.5480

76.8534, 72.4841,
104.5480

473.1637,
469.2248, 596.0484

57.4321, 53.5542,
79.4662

127.9065,
122.7445, 169.4994

41.5937, 38.2454,
58.7556

160.2689,
154.8439, 210.2062

28.9730, 26.1732,
41.9977

197.6758,
192.1019, 256.9583

19.2046, 16.9533,
28.7739

240.4924,
234.9029, 310.1743

11.9231, 10.2012,
18.6658

289.0841,
283.6313, 370.2728

6.7631, 5.5325,
11.2547

343.8163,

3.3594, 2.5630,

338.6715, 437.6723

6.1221

405.0544,
400.4078, 512.7913

■ 1.3466, 0.9081,
2.8495

■ 0.2177, 0.0000,
1.0183

■ 76.8534, 72.4841,
104.5480

■ 76.8534, 72.4841,
104.5480

■ 67.6853, 59.0321,
102.4347

■ 87.2217, 88.0531,
107.0066

■ 59.6612, 47.5922,
100.6495

95.0500, 100.0000,
108.9000

■ 52.7290, 38.0641,
99.1757

■ 46.8300, 30.3348,
97.9947

■ 41.8991, 24.2794,
97.0858

■ 37.8629, 19.7560,
96.4254

■ 34.6358, 16.5986,
95.9861

■ 32.1101, 14.5972,
95.7329

■ 31.4118, 14.1083,
95.6753

Harmonies

Analogous

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



71.5082, 72.4841, 114.3282



76.8534, 72.4841, 104.5480



80.1631, 72.4841, 88.4447

Triad

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



76.8534, 72.4841, 104.5480



72.1431, 72.4841, 52.0629



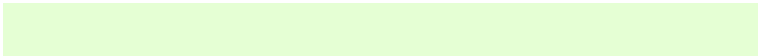
58.5851, 72.4841, 86.5503

Complementary

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



76.8534, 72.4841, 104.5480



79.9584, 92.9323, 76.0143

Split Complementary

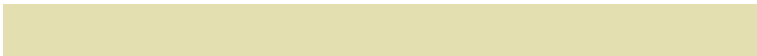
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



58.7338, 72.4841, 70.1102



76.8534, 72.4841, 104.5480



66.3443, 72.4841, 51.7046

Square

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



76.8534, 72.4841, 104.5480



77.3407, 72.4841, 58.9287



61.5040, 72.4841, 57.8695



61.0858, 72.4841, 102.9942

Rectangle

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



76.8534, 72.4841, 104.5480



80.6604, 72.4841, 77.0619



61.5040, 72.4841, 57.8695



58.3313, 72.4841, 80.8135

Sweetspot

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



76.8554, 72.4871, 104.5484



89.2863, 91.1897, 107.5032



73.2785, 77.3689, 105.6793



18.9430, 19.2629, 22.9697



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.



76.8554, 72.4871, 104.5484



73.8501, 68.0402, 103.8485



82.1502, 75.2958, 101.2232



18.0569, 17.9211, 22.7574



16.5861, 7.4609, 50.0005



1.7379, 0.7899, 4.8741

Inverse Universe

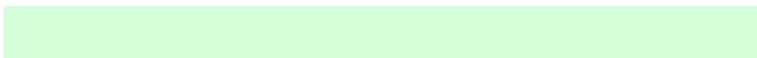
The Inverse Universe completely reimagines the original color for something new.



78.9281, 74.0069, 84.2559



76.3095, 69.8364, 80.0947



75.3470, 90.4915, 78.6679



18.3068, 18.1060, 20.2327



22.8398, 11.6252, 7.8068



2.2758, 1.1527, 1.0338

Previews

White Background



This preview shows how the XYZ color 76.8534, 72.4841, 104.5480 looks on a white background.

Color Contrast Check

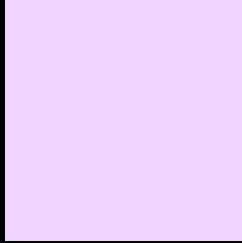
Large Text (above 18pt) WCAG AA × Fail

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 76.8534, 72.4841, 104.5480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

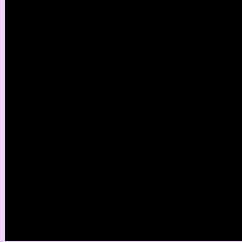
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.8534, 72.4841, 104.5480

Background



This preview shows how black text looks on a background with the XYZ color 76.8534, 72.4841, 104.5480.



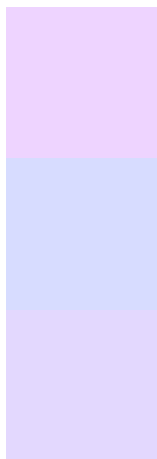
This preview shows how white text looks on a background with the XYZ color 76.8534, 72.4841,

104.5480.

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

76.8534, 72.4841, 104.5480

Protanopia

71.6675, 72.8535, 104.8926

Deuteranopia

74.1238, 72.5984, 103.8721



Tritanopia

73.5248, 72.6571, 87.2398

Trichromacy



Original Color

76.8534, 72.4841, 104.5480

Protanomaly

73.2943, 72.5337, 104.7451

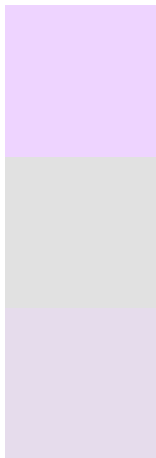
Deuteranomaly

75.1448, 72.7456, 103.8467

Tritanomaly

74.7697, 72.7846, 93.3271

Monochromacy



Original Color

76.8534, 72.4841, 104.5480

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

73.3666, 74.0655, 89.7861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8534, 72.4841, 104.5480 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, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 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(238, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 212, 255) }
```

Border

The CSS property to change the border of an element to XYZ 76.8534, 72.4841, 104.5480 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, 212, 255) }
```


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

```
.border{ border-color:rgb(238, 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(238, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 212,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8534, 72.4841, 104.5480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 212, 255) }
```

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

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