

Converting Colors

XYZ(83.2847, 76.3034,
138.6104)

Have a look what the booklet for
XYZ(83.2847, 76.3034, 138.6104)
contains.

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Color

**XYZ(76.9425, 73.6537,
104.7690)**

Conversions

Conversions Part 1

Format	Color
Hex	ECD7FF
RGB	236, 215, 255
RGB Percent	93%, 84%, 100%
CMY	0.0745, 0.1568, 0.0000
CMYK	0.07, 0.16, 0.00, 0.00
HSL	271°, 100%, 92%
HSV	271°, 16%, 100%
XYZ	76.9425, 73.6537, 104.7690
YIQ	225.8390, -0.3240, 16.8920

Conversions

Conversions Part 2

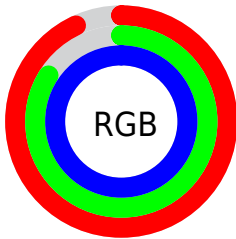
Format	Color
R _Y B	236, 215, 255
Decimal	15521791
CIE _{Lab}	88.76, 14.45, -16.83
CIE _{LCh}	89, 22.181, 310.643
Y _{xy}	73.6537, 0.3013, 0.2884
Android (android.graphics.Color)	4293711871 (0xFFECD7FF)
Y _{UV}	225.8390, 14.3764, 8.9112
Hunter-Lab	85.8217, 9.8441, -12.3045

Details

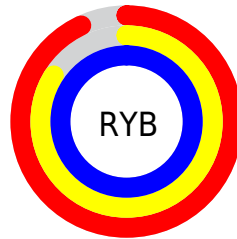
The XYZ color **76.9425, 73.6537, 104.7690** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.9591, 93.9195, 78.1020**, and the grayscale version is **72.0739, 75.8273, 82.5759**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5862, 38.9221, 58.7470** is the 20% darker color. If you saturate the color by 10%, you get **67.0626, 59.6625, 102.5892**, and if you desaturate by 10%, it is **88.1111, 89.8155, 107.2999**.

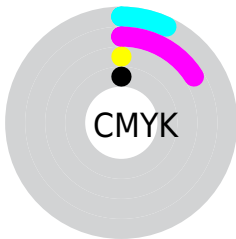
Distribution



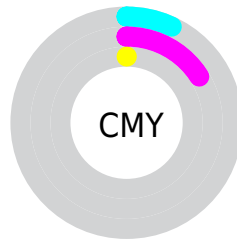
- Red (93%)
- Green (84%)
- Blue (100%)



- Red (93%)
- Yellow (84%)
- Blue (100%)



- Cyan (7%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.9425, 73.6537, 104.7690 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 76.9425, 73.6537, 104.7690 by changing the saturation by 10% instead.

76.9425, 73.6537,
104.7690

76.9425, 73.6537,
104.7690

473.4629,
473.2773, 596.7535

57.5054, 54.5107,
79.6503

128.0316,
124.4048, 169.8044

41.6529, 39.0101,
58.9061

160.4143,
156.7816, 210.5582

29.0195, 26.7676,
42.1180

197.8430,
194.3385, 257.3607

19.2399, 17.3987,
28.8675

240.6830,
237.4598, 310.6305

11.9488, 10.5192,
18.7359

289.2996,
286.5299, 370.7861

6.7808, 5.7445,
11.3047

344.0582,

3.3705, 2.6904,

341.9333, 438.2461

6.1554

405.3242,
404.0543, 513.4291

■ 1.3526, 0.9723,
2.8695

■ 0.2221, 0.0000,
1.0284

■ 76.9425, 73.6537,
104.7690

■ 76.9425, 73.6537,
104.7690

■ 67.0626, 59.6625,
102.5892

■ 88.1111, 89.8155,
107.2999

■ 58.4134, 47.7366,
100.7431

95.0500, 100.0000,
108.9000

■ 50.9409, 37.7754,
99.2142

■ 44.5843, 29.6659,
97.9840

■ 39.2770, 23.2833,
97.0317

■ 34.9439, 18.4868,
96.3343

■ 31.4983, 15.1122,
95.8646

■ 28.8339, 12.9571,
95.5890

■ 27.8612, 12.2779,
95.5092

Harmonies

Analogous

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



71.9283, 73.6537, 112.8793



76.9425, 73.6537, 104.7690



80.1970, 73.6537, 90.3934

Triad

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



76.9425, 73.6537, 104.7690



73.4810, 73.6537, 55.4259



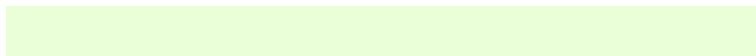
60.3482, 73.6537, 85.7778

Complementary

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



76.9425, 73.6537, 104.7690



81.9591, 93.9195, 78.1020

Split Complementary

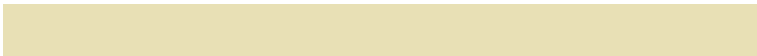
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



60.7164, 73.6537, 70.7966



76.9425, 73.6537, 104.7690



68.1175, 73.6537, 54.5226

Square

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



76.9425, 73.6537, 104.7690



78.1290, 73.6537, 62.4503



63.4988, 73.6537, 59.8018



62.4658, 73.6537, 101.0211

Rectangle

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



76.9425, 73.6537, 104.7690



80.8365, 73.6537, 79.8652



63.4988, 73.6537, 59.8018



60.1882, 73.6537, 80.5284

Sweetspot

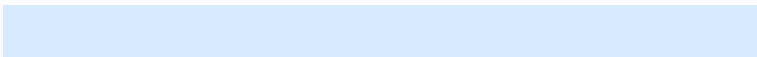
The Sweet Spot groups the original color and five complimentary colors.



76.9445, 73.6567, 104.7695



88.9234, 91.0026, 107.4862



75.5944, 80.7050, 106.2011



18.8547, 19.2174, 22.9655



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.



76.9445, 73.6567, 104.7695



73.5280, 68.7813, 104.0085



83.4846, 77.0407, 104.5163



17.9132, 17.8470, 22.7506



14.7319, 6.5051, 49.9137



1.5606, 0.6984, 4.8658

Inverse Universe

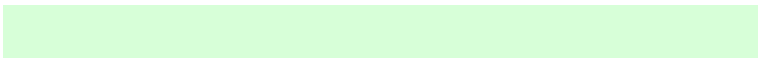
The Inverse Universe completely reimagines the original color for something new.



80.3935, 75.8042, 88.2387



77.6657, 71.3566, 84.2222



76.1381, 90.9088, 78.2777



18.3686, 18.1308, 20.5584



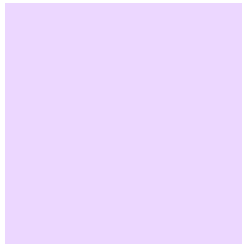
23.4305, 11.8615, 10.9172



2.3361, 1.1768, 1.3513

Previews

White Background



This preview shows how the XYZ color 76.9425, 73.6537, 104.7690 looks on a white background.

Color Contrast Check

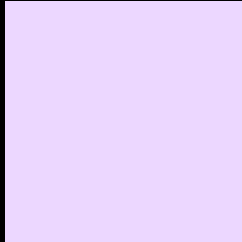
Large Text (above 18pt) WCAG AA × Fail

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 76.9425, 73.6537, 104.7690 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 76.9425, 73.6537, 104.7690

Background



This preview shows how black text looks on a background with the XYZ color 76.9425, 73.6537, 104.7690.

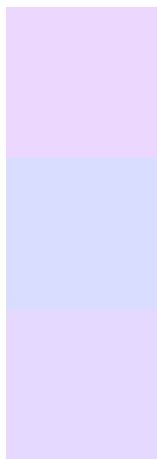


This preview shows how white text looks on a background with the XYZ color 76.9425, 73.6537,

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

76.9425, 73.6537, 104.7690

Protanopia

72.5217, 73.6846, 105.0080

Deuteranopia

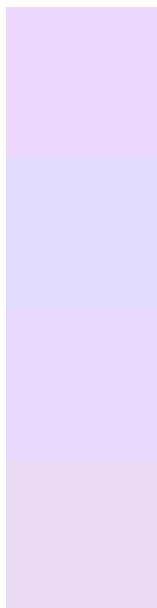
75.4960, 73.6687, 104.8482



Tritanopia

73.8160, 73.5226, 89.6576

Trichromacy



Original Color

76.9425, 73.6537, 104.7690

Protanomaly

74.1220, 73.7303, 104.9325

Deuteranomaly

75.8846, 73.4875, 104.7927

Tritanomaly

74.9222, 73.5892, 95.0493

Monochromacy



Original Color

76.9425, 73.6537, 104.7690

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

74.0405, 75.1800, 90.7296

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.9425, 73.6537, 104.7690 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, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 215, 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, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 215, 255) }
```

Border

The CSS property to change the border of an element to XYZ 76.9425, 73.6537, 104.7690 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, 215, 255) }
```


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

```
.border{ border-color:rgb(236, 215, 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, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 215,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 76.9425, 73.6537, 104.7690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 215, 255) }
```

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

```
.background{ background-color: rgb(236,  
215, 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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