

Converting Colors

XYZ(77.6425, 75.5452,
105.0972)

Have a look what the booklet for
XYZ(77.6425, 75.5452, 105.0972)
contains.

XYZ(77.6425, 75.5452, 105.0972)	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(77.6425, 75.5452,
105.0972)**

Conversions

Conversions Part 1

Format	Color
Hex	EBDBFF
RGB	235, 219, 255
RGB Percent	92%, 86%, 100%
CMY	0.0784, 0.1412, 0.0000
CMYK	0.08, 0.14, 0.00, 0.00
HSL	267°, 100%, 93%
HSV	267°, 14%, 100%
XYZ	77.6425, 75.5452, 105.0972
YIQ	227.8880, -2.0200, 14.5880

Conversions

Conversions Part 2

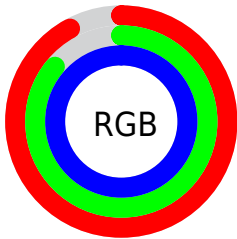
Format	Color
R _Y B	235, 219, 255
Decimal	15457279
CIE Lab	89.65, 12.02, -15.50
CIE LCh	90, 19.619, 307.795
Yxy	75.5452, 0.3006, 0.2925
Android (android.graphics.Color)	4293647359 (0xFFEBDBFF)
YUV	227.8880, 13.3662, 6.2372
Hunter-Lab	86.9167, 7.3493, -10.8500

Details

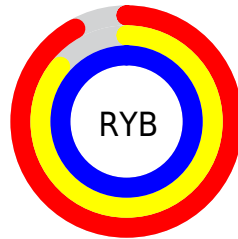
The XYZ color **77.6425, 75.5452, 105.0972** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.1445, 94.9860, 80.9207**, and the grayscale version is **73.5693, 77.4006, 84.2892**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0589, 40.2118, 58.9710** is the 20% darker color. If you saturate the color by 10%, you get **67.0004, 60.9300, 102.8371**, and if you desaturate by 10%, it is **89.6802, 92.3967, 107.7154**.

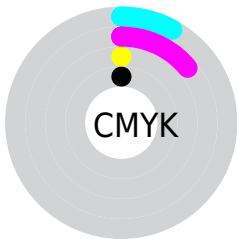
Distribution



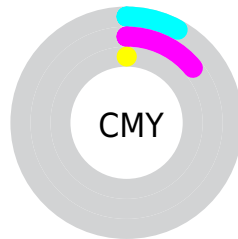
- Red (92%)
- Green (86%)
- Blue (100%)



- Red (92%)
- Yellow (86%)
- Blue (100%)



- Cyan (8%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6425, 75.5452, 105.0972 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 77.6425, 75.5452, 105.0972 by changing the saturation by 10% instead.

77.6425, 75.5452,
105.0972

77.6425, 75.5452,
105.0972

475.8103,
479.7894, 597.7998

58.0821, 56.0597,
79.9237

129.0141,
127.0838, 170.2572

42.1182, 40.2508,
59.1298

161.5560,
159.9057, 211.0807

29.3854, 27.7341,
42.2969

199.1557,
197.9418, 257.9580

19.5183, 18.1253,
29.0065

242.1788,
241.5765, 311.3076

12.1516, 11.0400,
18.8401

290.9904,
291.1942, 371.5480

6.9199, 6.0937,
11.3792

345.9559,

3.4580, 2.9022,

347.1793, 439.0979

6.2051

407.4408,
409.9163, 514.3756

■ 1.4003, 1.0809,
2.8994

■ 0.2565, 0.0000,
1.0435

■ 77.6425, 75.5452,
105.0972

■ 77.6425, 75.5452,
105.0972

■ 67.0004, 60.9300,
102.8371

■ 89.6802, 92.3967,
107.7154

■ 57.6930, 48.4448,
100.9178

95.0500, 100.0000,
108.9000

■ 49.6636, 37.9886,
99.3227

■ 42.8486, 29.4483,
98.0335

■ 37.1786, 22.6991,
97.0296

■ 32.5760, 17.6010,
96.2881

■ 28.9520, 13.9920,
95.7825

■ 26.1995, 11.6749,
95.4804

■ 24.9024, 10.7525,
95.3707

Harmonies

Analogous

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



73.0696, 75.5452, 111.4995



77.6425, 75.5452, 105.0972



80.7431, 75.5452, 92.7150

Triad

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



77.6425, 75.5452, 105.0972



75.3682, 75.5452, 60.0203



62.9955, 75.5452, 85.9138

Complementary

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



77.6425, 75.5452, 105.0972



84.1445, 94.9860, 80.9207

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.



63.5492, 75.5452, 72.6145



77.6425, 75.5452, 105.0972



70.5520, 75.5452, 58.6326

Square

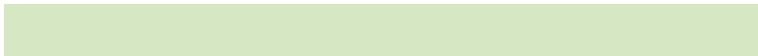
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6425, 75.5452, 105.0972



79.3896, 75.5452, 67.0187



66.2647, 75.5452, 62.9898



64.7166, 75.5452, 99.6435

Rectangle

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



77.6425, 75.5452, 105.0972



81.4822, 75.5452, 83.2827



66.2647, 75.5452, 62.9898



62.9232, 75.5452, 81.2376

Sweetspot

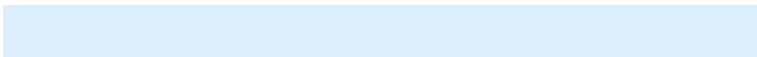
The Sweet Spot groups the original color and five complimentary colors.



77.6446, 75.5483, 105.0977



89.8277, 92.6049, 107.7478



78.2494, 84.2497, 106.7454



19.0222, 19.5325, 23.0175



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.



77.6446, 75.5483, 105.0977



74.4339, 71.1071, 104.4097



83.7455, 78.6935, 105.3832



17.7693, 17.7728, 22.7439



13.1775, 5.7037, 49.8410



1.4063, 0.6189, 4.8586

Inverse Universe

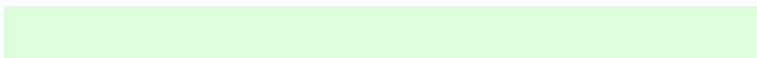
The Inverse Universe completely reimagines the original color for something new.



82.1533, 78.1579, 92.4198



79.7978, 74.2129, 89.2733



78.4891, 92.0705, 80.6560



18.4319, 18.1561, 20.8913



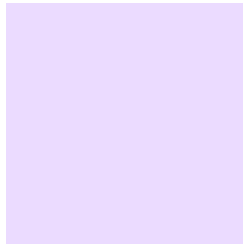
24.1635, 12.1547, 14.7775



2.4077, 1.2055, 1.7286

Previews

White Background



This preview shows how the XYZ color 77.6425, 75.5452, 105.0972 looks on a white background.

Color Contrast Check

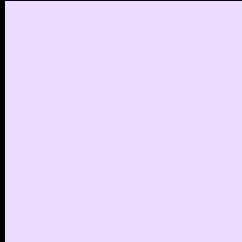
Large Text (above 18pt) WCAG AA × Fail

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 77.6425, 75.5452, 105.0972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

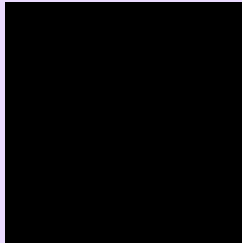
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.6425, 75.5452, 105.0972

Background



This preview shows how black text looks on a background with the XYZ color 77.6425, 75.5452, 105.0972.

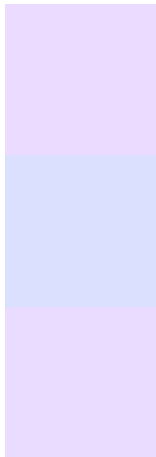


This preview shows how white text looks on a background with the XYZ color 77.6425, 75.5452,

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

77.6425, 75.5452, 105.0972

Protanopia

74.2209, 75.7470, 105.3165

Deuteranopia

77.2475, 75.7300, 105.1537



Tritanopia

74.9800, 75.6304, 92.3076

Trichromacy



Original Color

77.6425, 75.5452, 105.0972

Protanomaly

75.2226, 75.4701, 105.2103

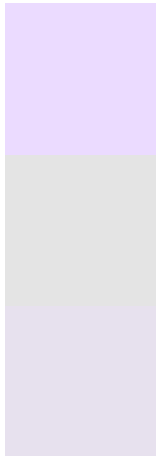
Deuteranomaly

77.5749, 75.8988, 105.1690

Tritanomaly

75.9422, 75.6291, 96.9815

Monochromacy



Original Color

77.6425, 75.5452, 105.0972

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

75.3128, 77.0124, 91.7844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6425, 75.5452, 105.0972 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(235, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 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(235, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 219, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.6425, 75.5452, 105.0972 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(235, 219, 255) }
```


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

```
.border{ border-color:rgb(235, 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(235, 219, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 219,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6425, 75.5452, 105.0972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 219, 255) }
```

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

```
.background{ background-color: rgb(235,  
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](#).

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