

Converting Colors

XYZ(75.4678, 75.7786,
102.7348)

Have a look what the booklet for
XYZ(75.4678, 75.7786, 102.7348)
contains.

XYZ(75.3705, 75.6017, 102.7156)	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(75.3705, 75.6017,
102.7156)**

Conversions

Conversions Part 1

Format	Color
Hex	E3DEFC
RGB	227, 222, 252
RGB Percent	89%, 87%, 99%
CMY	0.1098, 0.1294, 0.0118
CMYK	0.10, 0.12, 0.00, 0.01
HSL	250°, 83%, 93%
HSV	250°, 12%, 99%
XYZ	75.3705, 75.6017, 102.7156
YIQ	226.9150, -6.6500, 10.3900

Conversions

Conversions Part 2

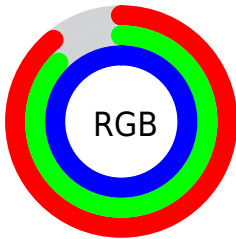
Format	Color
R _Y B	227, 222, 252
Decimal	14933756
CIE Lab	89.67, 7.31, -13.95
CIE LCh	90, 15.750, 297.636
Yxy	75.6017, 0.2971, 0.2980
Android (android.graphics.Color)	4293123836 (0xFFE3DEFC)
YUV	226.9150, 12.3669, 0.0745
Hunter-Lab	86.9492, 2.5686, -9.1765

Details

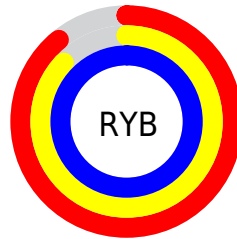
The XYZ color **75.3705, 75.6017, 102.7156** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.3557, 94.6709, 82.8327**, and the grayscale version is **72.8702, 76.6651, 83.4883**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.6823, 40.3482, 57.2736** is the 20% darker color. If you saturate the color by 10%, you get **62.9465, 59.9942, 100.3590**, and if you desaturate by 10%, it is **89.6074, 93.6328, 105.4468**.

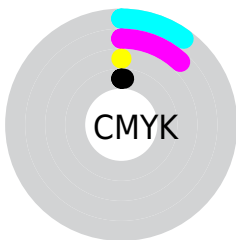
Distribution



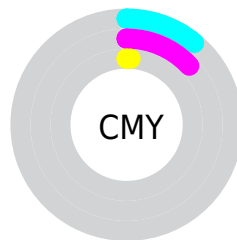
- Red (89%)
- Green (87%)
- Blue (99%)



- Red (89%)
- Yellow (87%)
- Blue (99%)



- Cyan (10%)
- Magenta (12%)
- Yellow (0%)
- Black (1%)



- Cyan (11%)
- Magenta (13%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.3705, 75.6017, 102.7156 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 75.3705, 75.6017, 102.7156 by changing the saturation by 10% instead.

■ 75.3705, 75.6017,
102.7156

■ 75.3705, 75.6017,
102.7156

468.1676,
479.9831, 590.1854

■ 56.2117, 56.1060,
77.9409

125.8218,
127.1637, 166.9684

■ 40.6104, 40.2879,
57.5093

157.8450,
159.9988, 207.2835

■ 28.2011, 27.7631,
41.0022

194.8871,
198.0491, 253.6159

■ 18.6185, 18.1471,
28.0011

237.3133,
241.6991, 306.3841

■ 11.4973, 11.0557,
18.0874

285.4892,
291.3331, 366.0066

■ 6.4721, 6.1043,
10.8427

339.7799,

■ 3.1776, 2.9086,

347.3355, 432.9019

5.8483

400.5510,
410.0907, 507.4887

■ 1.2484, 1.0842,
2.6858

■ 0.1441, 0.0000,
0.9363

■ 75.3705, 75.6017,
102.7156

■ 75.3705, 75.6017,
102.7156

■ 62.9465, 59.9942,
100.3590

■ 89.6074, 93.6328,
105.4468

■ 52.2554, 46.6972,
98.3560

94.5709, 99.8084,
106.3772

■ 43.2212, 35.6032,
96.6907

■ 35.7597, 26.5919,
95.3447

■ 29.7790, 19.5319,
94.2971

■ 25.1773, 14.2761,
93.5252

■ 21.8397, 10.6565,
93.0025

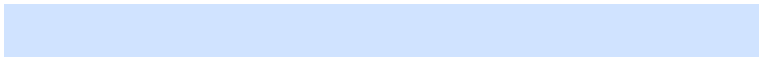
■ 19.6310, 8.4724,
92.6973

■ 18.5249, 7.5202,
92.5718

Harmonies

Analogous

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



71.5501, 75.6017, 105.5429



75.3705, 75.6017, 102.7156



78.3391, 75.6017, 94.2822

Triad

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



75.3705, 75.6017, 102.7156



75.9217, 75.6017, 65.5700



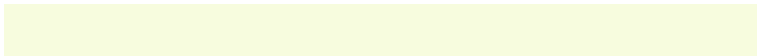
64.6636, 75.6017, 81.4398

Complementary

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



75.3705, 75.6017, 102.7156



86.3557, 94.6709, 82.8327

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.



65.7430, 75.6017, 71.4103



75.3705, 75.6017, 102.7156



72.1651, 75.6017, 62.7766

Square

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



75.3705, 75.6017, 102.7156



78.6653, 75.6017, 72.8069



68.4547, 75.6017, 64.8161



65.4536, 75.6017, 92.6221

Rectangle

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



75.3705, 75.6017, 102.7156



79.3872, 75.6017, 86.9738



68.4547, 75.6017, 64.8161



64.8190, 75.6017, 77.8302

Sweetspot

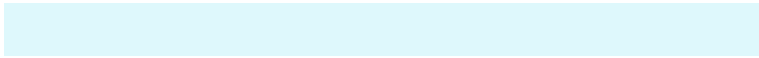
The Sweet Spot groups the original color and five complimentary colors.



75.3728, 75.6049, 102.7173



88.8233, 92.0871, 107.7008



81.1112, 89.3877, 105.0752



18.7686, 19.4018, 23.0057



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.



75.3728, 75.6049, 102.7173



74.5883, 74.0870, 104.9767



80.1410, 78.0630, 102.9404



16.5524, 16.7819, 21.7521



9.7310, 3.9592, 48.2249



0.9753, 0.4049, 4.4699

Inverse Universe

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



83.0572, 79.6567, 98.9970



83.7570, 78.9226, 100.4849



81.4389, 92.1361, 82.6026



17.8616, 17.4720, 21.1268



27.0204, 13.2239, 33.1455



2.5345, 1.2375, 3.2378

Previews

White Background



This preview shows how the XYZ color 75.3705, 75.6017, 102.7156 looks on a white background.

Color Contrast Check

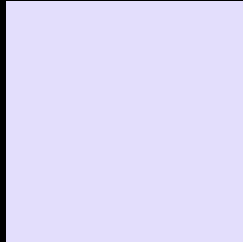
Large Text (above 18pt) WCAG AA × Fail

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 75.3705, 75.6017, 102.7156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

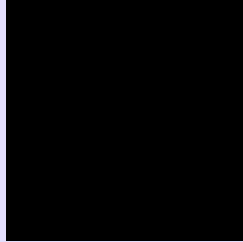
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 75.3705, 75.6017, 102.7156

Background



This preview shows how black text looks on a background with the XYZ color 75.3705, 75.6017, 102.7156.

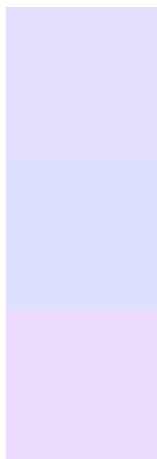


This preview shows how white text looks on a background with the XYZ color 75.3705, 75.6017,

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

75.3705, 75.6017, 102.7156

Protanopia

74.2041, 75.7753, 103.6436

Deuteranopia

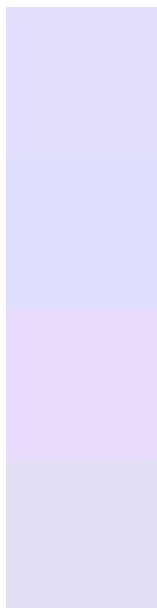
77.3221, 75.4171, 103.4101



Tritanopia

73.5842, 75.6697, 93.9465

Trichromacy



Original Color

75.3705, 75.6017, 102.7156

Protanomaly

74.5487, 75.5552, 103.5830

Deuteranomaly

76.6015, 75.4341, 103.4514

Tritanomaly

74.2331, 75.5367, 97.0537

Monochromacy



Original Color

75.3705, 75.6017, 102.7156

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

73.7441, 76.2374, 90.1854

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.3705, 75.6017, 102.7156 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(227, 222, 252)` looks like.

```
.text, #text, p{  
    color:rgb(227, 222, 252)  
}
```

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(227, 222, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 222, 252) }
```

Border

The CSS property to change the border of an element to XYZ 75.3705, 75.6017, 102.7156 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(227, 222, 252) }
```


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

```
.border{ border-color:rgb(227, 222, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 222, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 222, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 222, 252);  
box-shadow:4px 4px 4px 4px rgb(227, 222,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 75.3705, 75.6017, 102.7156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 222, 252) }
```

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

```
.background{ background-color: rgb(227,  
222, 252) }
```

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