

Converting Colors

XYZ(76.6355, 77.7683,
102.3598)

Have a look what the booklet for
XYZ(76.6355, 77.7683, 102.3598)
contains.

XYZ(76.6039, 77.8517, 102.2562)	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(76.6039, 77.8517,
102.2562)**

Conversions

Conversions Part 1

Format	Color
Hex	E4E2FB
RGB	228, 226, 251
RGB Percent	89%, 89%, 98%
CMY	0.1059, 0.1137, 0.0157
CMYK	0.09, 0.10, 0.00, 0.02
HSL	245°, 76%, 94%
HSV	245°, 10%, 98%
XYZ	76.6039, 77.8517, 102.2562
YIQ	229.4480, -6.8330, 8.1990

Conversions

Conversions Part 2

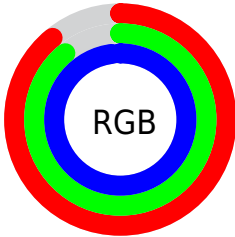
Format	Color
R_{YB}	228, 226, 251
Decimal	15000315
CIE _{Lab}	90.71, 5.34, -11.87
CIE _{LCh}	91, 13.017, 294.228
Yxy	77.8517, 0.2984, 0.3033
Android (android.graphics.Color)	4293190395 (0xFFE4E2FB)
YUV	229.4480, 10.6251, -1.2699
Hunter-Lab	88.2336, 0.5638, -6.9492

Details

The XYZ color **76.6039, 77.8517, 102.2562** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **87.2942, 94.6270, 85.6191**, and the grayscale version is **74.7358, 78.6279, 85.6258**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5341, 41.9051, 56.9383** is the 20% darker color. If you saturate the color by 10%, you get **63.4287, 61.6601, 99.8265**, and if you desaturate by 10%, it is **91.7615, 96.5525, 105.0681**.

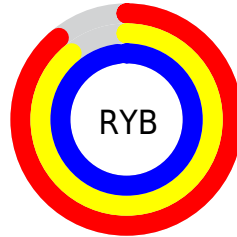
Distribution



Red (89%)

Green (89%)

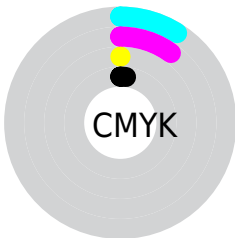
Blue (98%)



Red (89%)

Yellow (89%)

Blue (98%)

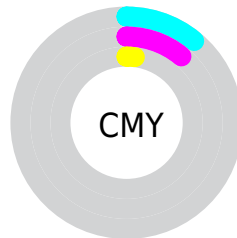


Cyan (9%)

Magenta (10%)

Yellow (0%)

Black (2%)



Cyan (11%)

Magenta (11%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6039, 77.8517, 102.2562 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 76.6039, 77.8517, 102.2562 by changing the saturation by 10% instead.

76.6039, 77.8517,
102.2562

76.6039, 77.8517,
102.2562

472.3251,
487.6630, 588.7106

57.2266, 57.9522,
77.5588

127.5560,
130.3410, 166.3331

41.4281, 41.7702,
57.1973

159.8616,
163.6996, 206.5497

28.8429, 28.9214,
40.7532

197.2072,
202.3134, 252.7764

19.1057, 19.0214,
27.8081

239.9584,
246.5667, 305.4317

11.8511, 11.6857,
17.9433

288.4804,
296.8439, 364.9343

6.7139, 6.5301,
10.7402

343.1387,

3.3285, 3.1700,

353.5294, 431.7026

5.7805

404.2984,
417.0077, 506.1552

■ 1.3298, 1.2211,
2.6454

■ 0.2053, 0.0788,
0.9158

■ 76.6039, 77.8517,
102.2562

■ 76.6039, 77.8517,
102.2562

■ 63.4287, 61.6601,
99.8265

■ 91.7615, 96.5525,
105.0681

■ 52.1472, 47.8616,
97.7578

■ 94.4128, 99.7451,
105.5446

■ 42.6743, 36.3456,
96.0342

■ 34.9156, 26.9887,
94.6371

■ 28.7682, 19.6561,
93.5457

■ 24.1181, 14.1977,
92.7373

■ 20.8362, 10.4425,
92.1854

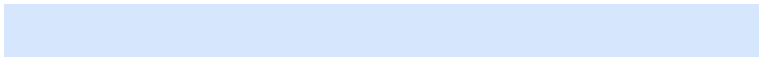
■ 18.7714, 8.1881,
91.8591

■ 17.7055, 7.1177,
91.7087

Harmonies

Analogous

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



73.3657, 77.8517, 103.9581



76.6039, 77.8517, 102.2562



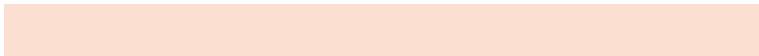
79.2109, 77.8517, 95.7258

Triad

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



76.6039, 77.8517, 102.2562



77.7292, 77.8517, 70.9911



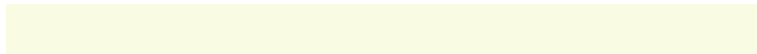
67.9195, 77.8517, 82.9707

Complementary

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



76.6039, 77.8517, 102.2562



87.2942, 94.6270, 85.6191

Split Complementary

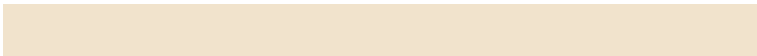
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.0146, 77.8517, 74.6787



76.6039, 77.8517, 102.2562



74.6293, 77.8517, 68.0967

Square

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



76.6039, 77.8517, 102.2562



79.8739, 77.8517, 77.5960



71.4474, 77.8517, 69.3956



68.4132, 77.8517, 92.3673

Rectangle

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



76.6039, 77.8517, 102.2562



80.2078, 77.8517, 89.7523



71.4474, 77.8517, 69.3956



68.1130, 77.8517, 79.9703

Sweetspot

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



76.6062, 77.8550, 102.2579



90.1156, 93.9052, 107.9837



82.7578, 91.0934, 104.4890



19.0131, 19.7597, 23.0618



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.



76.6062, 77.8550, 102.2579



76.4430, 77.0523, 105.4513



80.6034, 79.9156, 102.4450



16.4115, 16.7093, 21.7455



9.3510, 3.7633, 48.2071



0.9089, 0.3706, 4.4668

Inverse Universe

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



84.0815, 81.7448, 100.9727



85.6621, 81.8501, 103.8411



83.0964, 92.4630, 85.4227



17.9297, 17.4992, 21.4854



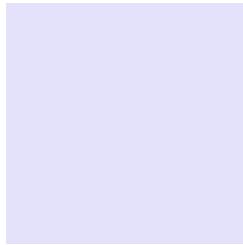
28.5152, 13.8218, 41.0167



2.6582, 1.2870, 3.8896

Previews

White Background



This preview shows how the XYZ color 76.6039, 77.8517, 102.2562 looks on a white background.

Color Contrast Check

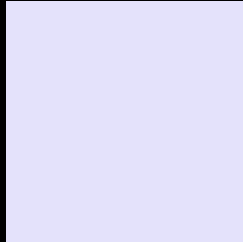
Large Text (above 18pt) WCAG AA × Fail

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 76.6039, 77.8517, 102.2562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

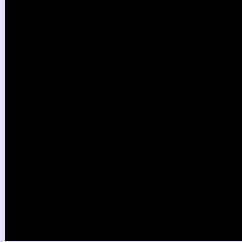
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.6039, 77.8517, 102.2562

Background



This preview shows how black text looks on a background with the XYZ color 76.6039, 77.8517, 102.2562.

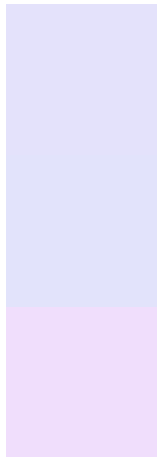


This preview shows how white text looks on a background with the XYZ color 76.6039, 77.8517,

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

76.6039, 77.8517, 102.2562

Protanopia

76.2457, 78.0720, 102.3176

Deuteranopia

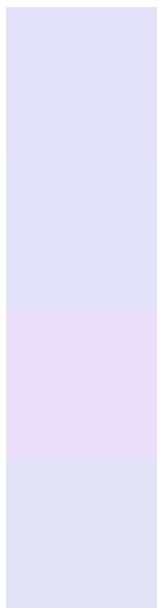
79.6271, 77.7961, 102.9148



Tritanopia

75.6291, 77.8616, 97.4289

Trichromacy



Original Color

76.6039, 77.8517, 102.2562

Protanomaly

76.5602, 78.2341, 102.3323

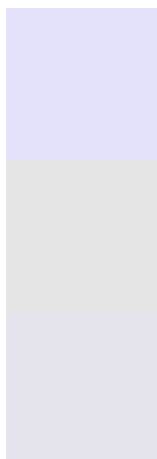
Deuteranomaly

78.5504, 77.6365, 102.9407

Tritanomaly

75.9361, 77.9845, 99.0459

Monochromacy



Original Color

76.6039, 77.8517, 102.2562

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

75.3426, 78.2592, 91.2553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.6039, 77.8517, 102.2562 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(228, 226, 251)` looks like.

```
.text, #text, p{  
    color:rgb(228, 226, 251)  
}
```

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(228, 226, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 226, 251) }
```

Border

The CSS property to change the border of an element to XYZ 76.6039, 77.8517, 102.2562 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(228, 226, 251) }
```


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

```
.border{ border-color:rgb(228, 226, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 226, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 226, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 226, 251);  
box-shadow:4px 4px 4px 4px rgb(228, 226,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 76.6039, 77.8517, 102.2562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 226, 251) }
```

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

```
.background{ background-color: rgb(228,  
226, 251) }
```

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