

Converting Colors

XYZ(77.3785, 79.2173,
102.4972)

Have a look what the booklet for
XYZ(77.3785, 79.2173, 102.4972)
contains.

XYZ(77.1509, 78.9458, 102.4386)	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(77.1509, 78.9458,
102.4386)**

Conversions

Conversions Part 1

Format	Color
Hex	E4E4FB
RGB	228, 228, 251
RGB Percent	89%, 89%, 98%
CMY	0.1059, 0.1059, 0.0157
CMYK	0.09, 0.09, 0.00, 0.02
HSL	240°, 74%, 94%
HSV	240°, 9%, 98%
XYZ	77.1509, 78.9458, 102.4386
YIQ	230.6220, -7.3830, 7.1530

Conversions

Conversions Part 2

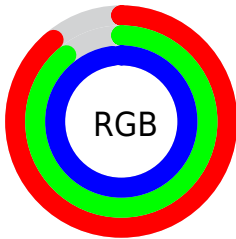
Format	Color
R _Y B	228, 228, 251
Decimal	15000827
CIE Lab	91.21, 4.30, -11.13
CIE LCh	91, 11.932, 291.135
Yxy	78.9458, 0.2984, 0.3054
Android (android.graphics.Color)	4293190907 (0xFFE4E4FB)
YUV	230.6220, 10.0464, -2.2995
Hunter-Lab	88.8514, -0.4961, -6.1606

Details

The XYZ color **77.1509, 78.9458, 102.4386** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.2848, 95.1044, 87.1042**, and the grayscale version is **75.6084, 79.5459, 86.6255**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9148, 42.6664, 57.0652** is the 20% darker color. If you saturate the color by 10%, you get **63.3491, 62.3165, 99.9575**, and if you desaturate by 10%, it is **93.1156, 98.1819, 105.3113**.

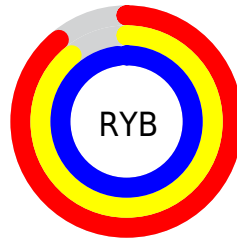
Distribution



Red (89%)

Green (89%)

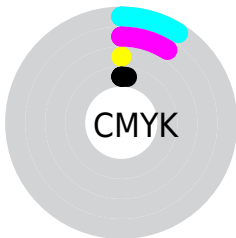
Blue (98%)



Red (89%)

Yellow (89%)

Blue (98%)

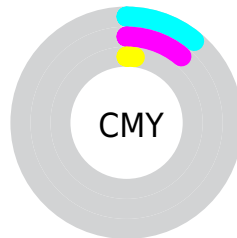


Cyan (9%)

Magenta (9%)

Yellow (0%)

Black (2%)



Cyan (11%)

Magenta (11%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.1509, 78.9458, 102.4386 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 77.1509, 78.9458, 102.4386 by changing the saturation by 10% instead.

■ 77.1509, 78.9458,
102.4386

■ 77.1509, 78.9458,
102.4386

474.1624,
491.3730, 589.2964

■ 57.6771, 58.8512,
77.7105

128.3242,
131.8826, 166.5854

■ 41.7914, 42.4934,
57.3211

160.7544,
165.4935, 206.8411

■ 29.1283, 29.4878,
40.8520

198.2340,
204.3788, 253.1098

■ 19.3227, 19.4502,
27.8847

241.1286,
248.9227, 305.8100

■ 12.0091, 11.9960,
18.0005

289.8033,
299.5097, 365.3602

■ 6.8221, 6.7410,
10.7809

344.6237,

■ 3.3964, 3.3006,

356.5242, 432.1790

5.8074

405.9549,
420.3504, 506.6849

■ 1.3667, 1.2906,
2.6614

■ 0.2323, 0.1339,
0.9239

■ 77.1509, 78.9458,
102.4386

■ 77.1509, 78.9458,
102.4386

■ 63.3491, 62.3165,
99.9575

■ 93.1156, 98.1819,
105.3113

■ 51.6104, 48.1726,
97.8461

■ 94.4128, 99.7451,
105.5447

■ 41.8381, 36.3977,
96.0884

■ 33.9245, 26.8624,
94.6650

■ 27.7521, 19.4248,
93.5547

■ 23.1896, 13.9270,
92.7340

■ 20.0872, 10.1886,
92.1759

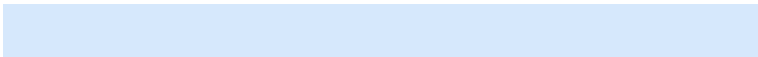
■ 18.2674, 7.9954,
91.8485

■ 17.4623, 7.0250,
91.7037

Harmonies

Analogous

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



74.1434, 78.9458, 103.4771



77.1509, 78.9458, 102.4386



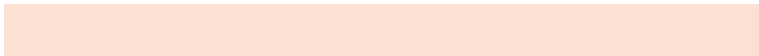
79.6528, 78.9458, 96.8327

Triad

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



77.1509, 78.9458, 102.4386



78.7422, 78.9458, 73.6380



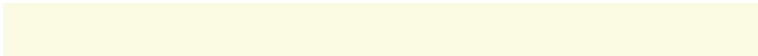
69.4380, 78.9458, 83.4186

Complementary

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



77.1509, 78.9458, 102.4386



88.2848, 95.1044, 87.1042

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.



70.6004, 78.9458, 75.9306



77.1509, 78.9458, 102.4386



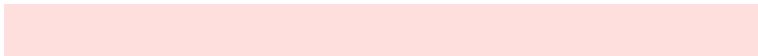
75.9349, 78.9458, 70.5380

Square

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



77.1509, 78.9458, 102.4386



80.5886, 78.9458, 80.0952



72.9594, 78.9458, 71.3482



69.7437, 78.9458, 92.1013

Rectangle

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



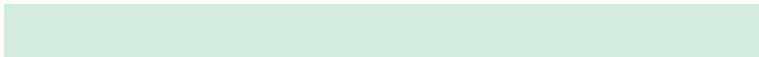
77.1509, 78.9458, 102.4386



80.6712, 78.9458, 91.4541



72.9594, 78.9458, 71.3482



69.6688, 78.9458, 80.6877

Sweetspot

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



77.1532, 78.9491, 102.4403



89.8995, 93.7943, 107.9736



83.8457, 92.4306, 104.3733



18.9551, 19.7299, 23.0592



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.



77.1532, 78.9491, 102.4403



77.1692, 78.4557, 105.6839



80.7934, 80.8244, 102.6105



16.2833, 16.6434, 21.7396



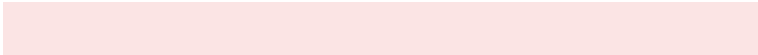
9.1530, 3.6617, 48.1979



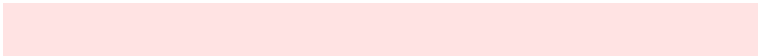
0.8478, 0.3393, 4.4640

Inverse Universe

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



81.5325, 81.5992, 84.8556



82.5542, 81.7143, 84.0610



84.3977, 93.1020, 86.9226



17.2448, 17.2253, 17.8788



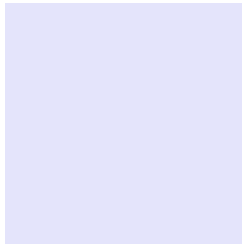
20.9121, 10.7805, 0.9794



1.9368, 0.9985, 0.0909

Previews

White Background



This preview shows how the XYZ color 77.1509, 78.9458, 102.4386 looks on a white background.

Color Contrast Check

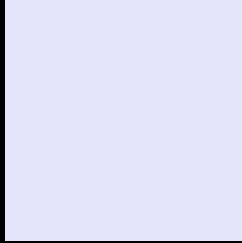
Large Text (above 18pt) WCAG AA × Fail

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 77.1509, 78.9458, 102.4386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

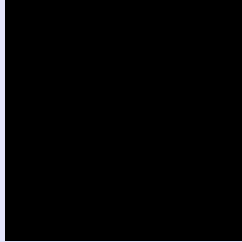
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.1509, 78.9458, 102.4386

Background



This preview shows how black text looks on a background with the XYZ color 77.1509, 78.9458, 102.4386.



This preview shows how white text looks on a background with the XYZ color 77.1509, 78.9458,

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

77.1509, 78.9458, 102.4386

Protanopia

77.1509, 78.9458, 102.4386

Deuteranopia

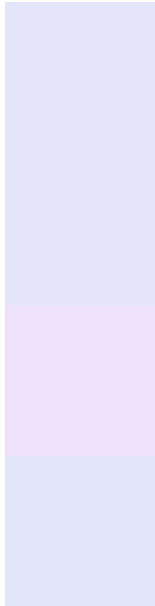
80.5763, 78.6809, 103.0356



Tritanopia

76.4864, 79.0849, 99.2293

Trichromacy



Original Color

77.1509, 78.9458, 102.4386

Protanomaly

77.1509, 78.9458, 102.4386

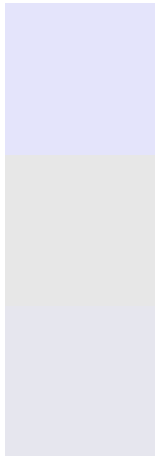
Deuteranomaly

79.4210, 78.8832, 103.1355

Tritanomaly

76.6411, 79.1468, 100.0444

Monochromacy



Original Color

77.1509, 78.9458, 102.4386

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

76.3626, 79.5897, 92.2265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.1509, 78.9458, 102.4386 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, 228, 251)` looks like.

```
.text, #text, p{  
    color:rgb(228, 228, 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, 228, 251) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 77.1509, 78.9458, 102.4386 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, 228, 251) }
```


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

```
.border{ border-color:rgb(228, 228, 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, 228, 251)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 77.1509, 78.9458, 102.4386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(228,  
228, 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