

Converting Colors

XYZ(77.0549, 77.7212,
104.6664)

Have a look what the booklet for
XYZ(77.0549, 77.7212, 104.6664)
contains.

XYZ(77.1277, 77.6642, 104.6916)	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(77.1277, 77.6642,
104.6916)**

Conversions

Conversions Part 1

Format	Color
Hex	E5E1FE
RGB	229, 225, 254
RGB Percent	90%, 88%, 100%
CMY	0.1020, 0.1176, 0.0039
CMYK	0.10, 0.11, 0.00, 0.00
HSL	248°, 94%, 94%
HSV	248°, 11%, 100%
XYZ	77.1277, 77.6642, 104.6916
YIQ	229.5020, -6.9250, 9.8670

Conversions

Conversions Part 2

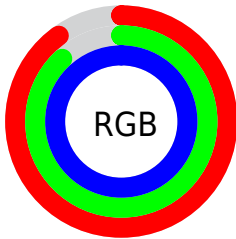
Format	Color
R _Y B	229, 225, 254
Decimal	15065598
CIE Lab	90.63, 6.77, -13.56
CIE LCh	91, 15.157, 296.528
Yxy	77.6642, 0.2972, 0.2993
Android (android.graphics.Color)	4293255678 (0xFFE5E1FE)
YUV	229.5020, 12.0775, -0.4403
Hunter-Lab	88.1273, 1.9978, -8.7450

Details

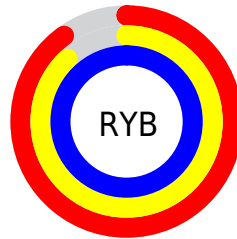
The XYZ color **77.1277, 77.6642, 104.6916** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **88.4596, 96.6460, 85.2301**, and the grayscale version is **74.7653, 78.6589, 85.6595**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6863, 41.6649, 58.6683** is the 20% darker color. If you saturate the color by 10%, you get **64.2135, 61.5620, 102.2654**, and if you desaturate by 10%, it is **91.9494, 96.2701, 107.5029**.

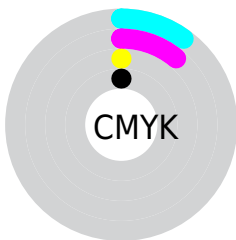
Distribution



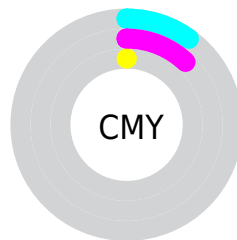
- Red (90%)
- Green (88%)
- Blue (100%)



- Red (90%)
- Yellow (88%)
- Blue (100%)



- Cyan (10%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.1277, 77.6642, 104.6916 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 77.1277, 77.6642, 104.6916 by changing the saturation by 10% instead.

77.1277, 77.6642,
104.6916

77.1277, 77.6642,
104.6916

474.0846,
487.0257, 596.5066

57.6580, 57.7982,
79.5858

128.2916,
130.0766, 169.6976

41.7759, 41.6464,
58.8534

160.7165,
163.3918, 210.4349

29.1162, 28.8245,
42.0759

198.1905,
201.9589, 257.2198

19.3135, 18.9481,
28.8347

241.0790,
246.1622, 310.4707

12.0024, 11.6328,
18.7113

289.7473,
296.3861, 370.6064

6.8175, 6.4942,
11.2872

344.5607,

3.3935, 3.1478,

353.0151, 438.0452

6.1437

405.8847,
416.4335, 513.2058

■ 1.3651, 1.2094,
2.8625

■ 0.2312, 0.0694,
1.0248

■ 77.1277, 77.6642,
104.6916

■ 77.1277, 77.6642,
104.6916

■ 64.2135, 61.5620,
102.2654

■ 91.9494, 96.2701,
107.5029

■ 53.1222, 47.8469,
100.2027

94.8896, 99.9359,
108.0555

■ 43.7730, 36.4078,
98.4875

■ 36.0766, 27.1208,
97.1006

■ 29.9353, 19.8500,
96.0209

■ 25.2411, 14.4440,
95.2248

■ 21.8718, 10.7299,
94.6855

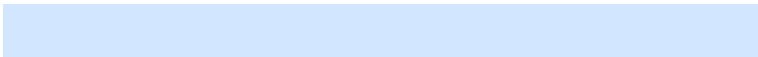
■ 19.6840, 8.5012,
94.3706

■ 18.5832, 7.5134,
94.2380

Harmonies

Analogous

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



73.3761, 77.6642, 107.2062



77.1277, 77.6642, 104.6916



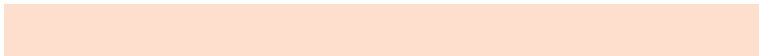
80.0787, 77.6642, 96.6315

Triad

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



77.1277, 77.6642, 104.6916



77.9192, 77.6642, 68.2882



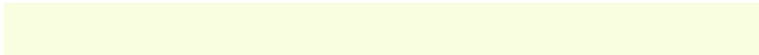
66.7649, 77.6642, 83.3027

Complementary

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



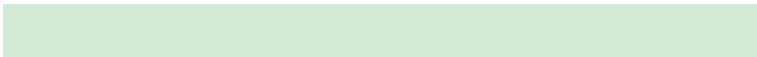
77.1277, 77.6642, 104.6916



88.4596, 96.6460, 85.2301

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.



67.8914, 77.6642, 73.5438



77.1277, 77.6642, 104.6916



74.2607, 77.6642, 65.3564

Square

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



77.1277, 77.6642, 104.6916



80.5466, 77.6642, 75.5610



70.6034, 77.6642, 67.1956



67.4740, 77.6642, 94.2533

Rectangle

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



77.1277, 77.6642, 104.6916



81.1501, 77.6642, 89.5302



70.6034, 77.6642, 67.1956



66.9405, 77.6642, 79.7833

Sweetspot

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



77.1300, 77.6675, 104.6933



90.2729, 93.9863, 107.9910



83.1703, 91.6196, 107.0680



19.0553, 19.7814, 23.0638



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.



77.1300, 77.6675, 104.6933



74.2688, 73.9223, 104.9618



81.9061, 80.1296, 104.9168



17.2358, 17.4978, 22.7189



9.8668, 3.9970, 49.6860



1.0283, 0.4240, 4.8409

Inverse Universe

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



85.0563, 81.8268, 101.7575



83.9176, 78.9868, 101.3306



83.5053, 94.0919, 84.9983



18.6786, 18.2548, 22.1907



28.3301, 13.8213, 36.7186



2.7868, 1.3571, 3.7248

Previews

White Background



This preview shows how the XYZ color 77.1277, 77.6642, 104.6916 looks on a white background.

Color Contrast Check

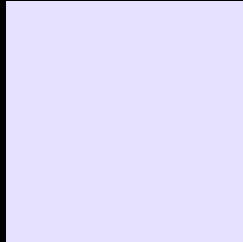
Large Text (above 18pt) WCAG AA × Fail

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 77.1277, 77.6642, 104.6916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

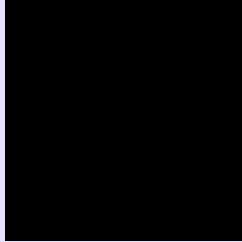
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.1277, 77.6642, 104.6916

Background



This preview shows how black text looks on a background with the XYZ color 77.1277, 77.6642, 104.6916.



This preview shows how white text looks on a background with the XYZ color 77.1277, 77.6642,

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

77.1277, 77.6642, 104.6916

Protanopia

75.9868, 77.4600, 105.5541

Deuteranopia

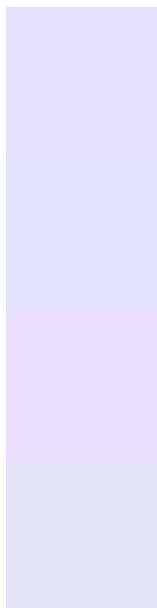
79.4312, 77.6397, 105.4072



Tritanopia

75.4768, 77.8007, 96.6269

Trichromacy



Original Color

77.1277, 77.6642, 104.6916

Protanomaly

76.6104, 77.7815, 105.5833

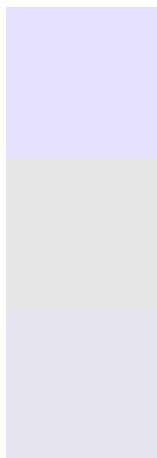
Deuteranomaly

78.6986, 77.6575, 105.4493

Tritanomaly

76.1345, 77.6640, 99.7849

Monochromacy



Original Color

77.1277, 77.6642, 104.6916

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

75.9565, 78.5418, 92.8181

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.1277, 77.6642, 104.6916 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(229, 225, 254)` looks like.

```
.text, #text, p{  
    color:rgb(229, 225, 254)  
}
```

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(229, 225, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 225, 254) }
```

Border

The CSS property to change the border of an element to XYZ 77.1277, 77.6642, 104.6916 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(229, 225, 254) }
```


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

```
.border{ border-color:rgb(229, 225, 254) }
```

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

Here you see how a box with a 4 pixel rgb(229, 225, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 225, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 225, 254);  
box-shadow:4px 4px 4px 4px rgb(229, 225,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 77.1277, 77.6642, 104.6916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 225, 254) }
```

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

```
.background{ background-color: rgb(229,  
225, 254) }
```

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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