

Converting Colors

XYZ(75.6469, 77.8398,
104.3865)

Have a look what the booklet for
XYZ(75.6469, 77.8398, 104.3865)
contains.

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Color

**XYZ(75.7899, 77.7819,
104.7848)**

Conversions

Conversions Part 1

Format	Color
Hex	DFE3FE
RGB	223, 227, 254
RGB Percent	87%, 89%, 100%
CMY	0.1255, 0.1098, 0.0039
CMYK	0.12, 0.11, 0.00, 0.00
HSL	232°, 94%, 94%
HSV	232°, 12%, 100%
XYZ	75.7899, 77.7819, 104.7848
YIQ	228.8820, -11.0510, 7.5490

Conversions

Conversions Part 2

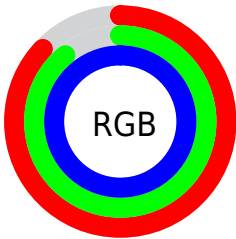
Format	Color
R _Y B	223, 227, 254
Decimal	14672894
CIE Lab	90.68, 3.83, -13.53
CIE LCh	91, 14.058, 285.791
Yxy	77.7819, 0.2934, 0.3011
Android (android.graphics.Color)	4292862974 (0xFFDFE3FE)
YUV	228.8820, 12.3832, -5.1585
Hunter-Lab	88.1940, -0.9449, -8.7076

Details

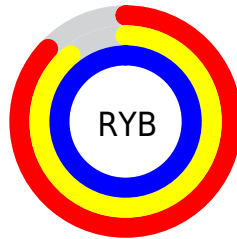
The XYZ color **75.7899, 77.7819, 104.7848** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **88.3784, 94.7693, 83.4479**, and the grayscale version is **74.3090, 78.1789, 85.1368**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.9790, 41.8611, 58.7435** is the 20% darker color. If you saturate the color by 10%, you get **62.8774, 62.7152, 102.5584**, and if you desaturate by 10%, it is **90.6583, 95.0148, 107.3287**.

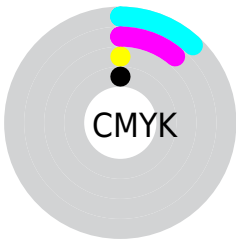
Distribution



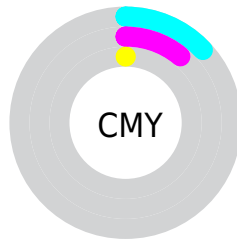
- Red (87%)
- Green (89%)
- Blue (100%)



- Red (87%)
- Yellow (89%)
- Blue (100%)



- Cyan (12%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.7899, 77.7819, 104.7848 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 75.7899, 77.7819, 104.7848 by changing the saturation by 10% instead.

■ 75.7899, 77.7819,
104.7848

■ 75.7899, 77.7819,
104.7848

469.5836,
487.4258, 596.8039

■ 56.5567, 57.8948,
79.6634

126.4118,
130.2426, 169.8262

■ 40.8882, 41.7241,
58.9169

158.5312,
163.5851, 210.5833

■ 28.4190, 28.8853,
42.1267

195.6768,
202.1814, 257.3894

■ 18.7838, 18.9941,
28.8742

238.2138,
246.4161, 310.6631

■ 11.6173, 11.6660,
18.7409

286.5076,
296.6735, 370.8228

■ 6.5540, 6.5167,
11.3083

340.9236,

■ 3.2286, 3.1617,

353.3380, 438.2872

6.1578

401.8272,
416.7939, 513.4747

■ 1.2758, 1.2167,
2.8709

■ 0.1650, 0.0753,
1.0291

■ 75.7899, 77.7819,
104.7848

■ 75.7899, 77.7819,
104.7848

■ 62.8774, 62.7152,
102.5584

■ 90.6583, 95.0148,
107.3287

■ 51.8322, 49.7193,
100.6321

94.8896, 99.9359,
108.0555

■ 42.5695, 38.7062,
98.9946

■ 34.9950, 29.5776,
97.6318

■ 29.0057, 22.2268,
96.5286

■ 24.4870, 16.5363,
95.6684

■ 21.3086, 12.3742,
95.0325

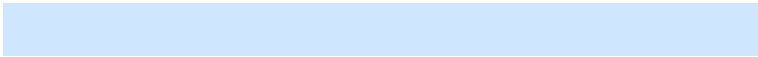
■ 19.3165, 9.5874,
94.5996

■ 18.4279, 8.2324,
94.3849

Harmonies

Analogous

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



72.2775, 77.7819, 104.9448



75.7899, 77.7819, 104.7848



78.8968, 77.7819, 98.9657

Triad

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



75.7899, 77.7819, 104.7848



78.7587, 77.7819, 71.5207



67.5493, 77.7819, 80.0137

Complementary

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



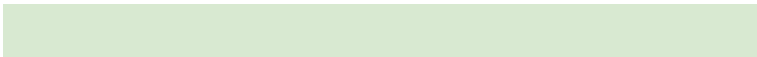
75.7899, 77.7819, 104.7848



88.3784, 94.7693, 83.4479

Split Complementary

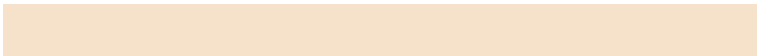
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.1749, 77.7819, 71.8600



75.7899, 77.7819, 104.7848



75.6062, 77.7819, 67.2271

Square

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



75.7899, 77.7819, 104.7848



80.6477, 77.7819, 79.5161



72.0995, 77.7819, 67.3462



67.5949, 77.7819, 90.0863

Rectangle

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



75.7899, 77.7819, 104.7848



80.2875, 77.7819, 92.9063



72.0995, 77.7819, 67.3462



67.9161, 77.7819, 76.9754

Sweetspot

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



75.7922, 77.7851, 104.7865



88.6278, 92.5793, 107.8061



83.1091, 93.4668, 103.9948



18.7193, 19.5257, 23.0322



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.



75.7922, 77.7851, 104.7865



72.6298, 74.0110, 105.0653



78.3307, 77.4873, 104.5952



17.1920, 17.7557, 22.7710



9.7727, 4.4549, 49.7794



1.0077, 0.5460, 4.8656

Inverse Universe

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



81.1277, 79.3940, 83.7254



79.1316, 76.0142, 79.3905



85.5982, 95.2022, 83.6780



18.1048, 18.0252, 19.1691



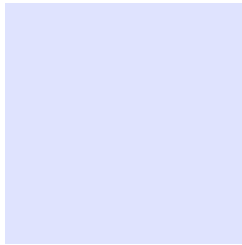
21.7210, 11.1777, 1.9153



2.1432, 1.0997, 0.3357

Previews

White Background



This preview shows how the XYZ color 75.7899, 77.7819, 104.7848 looks on a white background.

Color Contrast Check

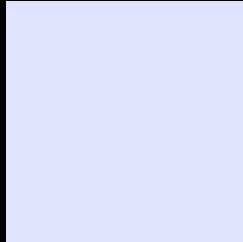
Large Text (above 18pt) WCAG AA × Fail

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 75.7899, 77.7819, 104.7848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

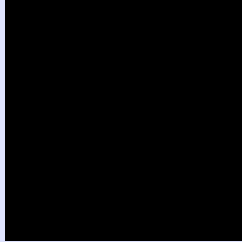
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 75.7899, 77.7819, 104.7848

Background



This preview shows how black text looks on a background with the XYZ color 75.7899, 77.7819, 104.7848.

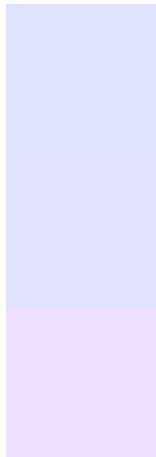


This preview shows how white text looks on a background with the XYZ color 75.7899, 77.7819,

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

75.7899, 77.7819, 104.7848

Protanopia

76.4098, 78.1015, 104.8138

Deuteranopia

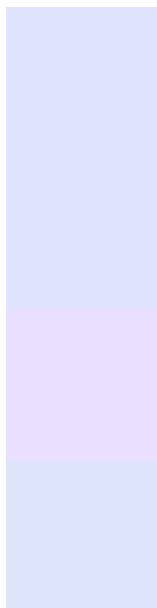
79.4312, 77.6397, 105.4072



Tritanopia

74.5022, 77.6702, 98.2539

Trichromacy



Original Color

75.7899, 77.7819, 104.7848

Protanomaly

76.0989, 77.9412, 104.7992

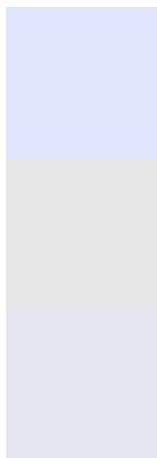
Deuteranomaly

78.3099, 77.8549, 105.5079

Tritanomaly

74.9665, 77.8560, 100.6991

Monochromacy



Original Color

75.7899, 77.7819, 104.7848

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

74.8546, 77.9907, 91.9974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.7899, 77.7819, 104.7848 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(223, 227, 254)` looks like.

```
.text, #text, p{  
    color:rgb(223, 227, 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(223, 227, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 227, 254) }
```

Border

The CSS property to change the border of an element to XYZ 75.7899, 77.7819, 104.7848 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(223, 227, 254) }
```


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

```
.border{ border-color:rgb(223, 227, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 227, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 227, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 227, 254);  
box-shadow:4px 4px 4px 4px rgb(223, 227,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 75.7899, 77.7819, 104.7848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 227, 254) }
```

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

```
.background{ background-color: rgb(223,  
227, 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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