

# Converting Colors

XYZ(74.3415, 77.7222, 99.7822)

Have a look what the booklet for  
XYZ(74.3415, 77.7222, 99.7822)  
contains.

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# Color

**XYZ(74.2019, 77.4798,  
99.8512)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DCE4F8
RGB	220, 228, 248
RGB Percent	86%, 89%, 97%
CMY	0.1372, 0.1059, 0.0274
CMYK	0.11, 0.08, 0.00, 0.03
HSL	223°, 67%, 92%
HSV	223°, 11%, 97%
XYZ	74.2019, 77.4798, 99.8512
YIQ	227.8880, -11.1880, 4.5240

# Conversions

## Conversions Part 2

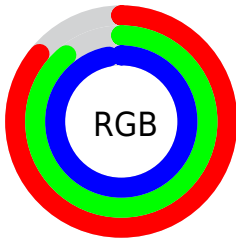
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	220, 226, 248
Decimal	14476536
CIE Lab	90.54, 1.16, -10.62
CIE LCh	91, 10.680, 276.238
Yxy	77.4798, 0.2950, 0.3080
Android (android.graphics.Color)	4292666616 (0xFFDCE4F8)
YUV	227.8880, 9.9152, -6.9178
Hunter-Lab	88.0226, -3.5664, -5.6416

# Details

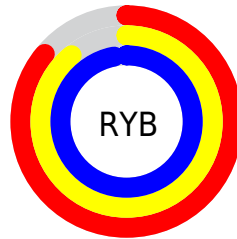
The XYZ color **74.2019, 77.4798, 99.8512** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **82.7901, 87.4434, 80.2264**, and the grayscale version is **73.5986, 77.4314, 84.3228**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.9750, 41.6922, 55.8097** is the 20% darker color. If you saturate the color by 10%, you get **62.6206, 64.6448, 97.9854**, and if you desaturate by 10%, it is **87.4004, 91.8937, 101.9389**.

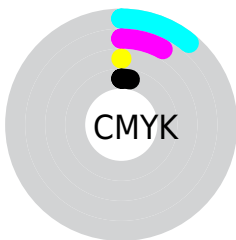
# Distribution



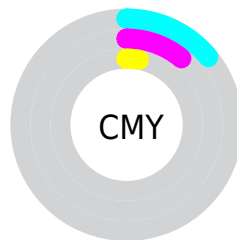
- Red (86%)
- Green (89%)
- Blue (97%)



- Red (86%)
- Yellow (89%)
- Blue (97%)



- Cyan (11%)
- Magenta (8%)
- Yellow (0%)
- Black (3%)



- Cyan (14%)
- Magenta (11%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.2019, 77.4798, 99.8512 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 74.2019, 77.4798, 99.8512 by changing the saturation by 10% instead.



■ 74.2019, 77.4798,  
99.8512

■ 74.2019, 77.4798,  
99.8512

464.2095,  
486.3984, 580.9581

■ 55.2512, 57.6467,  
75.5601

124.1759,  
129.8165, 163.0028

■ 39.8375, 41.5247,  
55.5674

155.9300,  
163.0890, 202.7003

■ 27.5955, 28.7293,  
39.4545

192.6824,  
201.6101, 248.3704

■ 18.1599, 18.8762,  
26.8029

234.7988,  
245.7642, 300.4316

■ 11.1652, 11.5808,  
17.1941

282.6443,  
295.9357, 359.3024

■ 6.2462, 6.4589,  
10.2096

336.5843,

■ 3.0374, 3.1261,

352.5089, 425.4014

5.4307

396.9843,  
415.8684, 499.1471

■ 1.1736, 1.1979,  
2.4390

■ 0.0854, 0.0600,  
0.8076

■ 74.2019, 77.4798,  
99.8512

■ 74.2019, 77.4798,  
99.8512

■ 62.6206, 64.6448,  
97.9854

■ 87.4004, 91.8937,  
101.9389

■ 52.5858, 53.3237,  
96.3291

■ 93.9435, 99.5574,  
103.0733

■ 44.0317, 43.4615,  
94.8764

■ 36.8848, 34.9958,  
93.6190

■ 31.0651, 27.8594,  
92.5483

■ 26.4840, 21.9789,  
91.6547

■ 23.0412, 17.2731,  
90.9278

■ 20.6185, 13.6491,  
90.3560

■ 19.1895, 11.2694,  
89.9720

# Harmonies

## Analogous

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



71.5913, 77.4798, 98.5586



74.2019, 77.4798, 99.8512



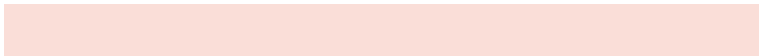
76.7213, 77.4798, 96.7957

# Triad

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



74.2019, 77.4798, 99.8512



77.8644, 77.4798, 75.9596



69.0393, 77.4798, 78.5712

# Complementary

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



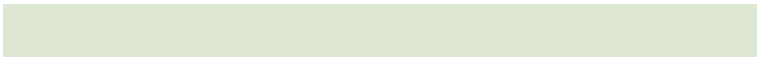
74.2019, 77.4798, 99.8512



82.7901, 87.4434, 80.2264

# 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.



70.6466, 77.4798, 73.0421



74.2019, 77.4798, 99.8512



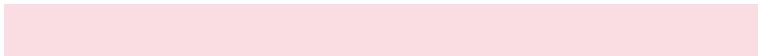
75.7319, 77.4798, 71.5993

# Square

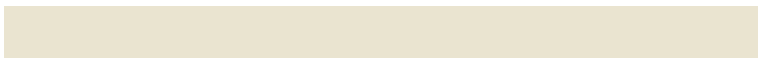
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.2019, 77.4798, 99.8512



78.8686, 77.4798, 82.7736



73.0854, 77.4798, 70.5642



68.6520, 77.4798, 85.9713



# Rectangle

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



74.2019, 77.4798, 99.8512



77.9967, 77.4798, 92.8068



73.0854, 77.4798, 70.5642



69.4529, 77.4798, 76.4463

# Sweetspot

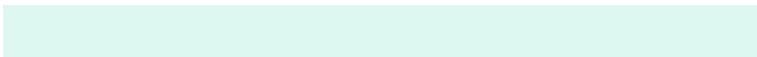
The Sweet Spot groups the original color and five complimentary colors.



74.2042, 77.4830, 99.8529



90.5731, 95.1414, 108.1982



78.7528, 88.6193, 95.0827



19.1361, 20.0919, 23.1195



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.



74.2042, 77.4830, 99.8529



75.5128, 78.6447, 105.8077



73.7766, 74.0694, 99.2166



16.6871, 17.4509, 21.8742



10.4690, 6.2935, 48.6365



1.0559, 0.7554, 4.5333



# Inverse Universe

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



78.3100, 76.7460, 84.0886



80.8632, 77.7651, 85.2465



83.2424, 91.2516, 80.9376



17.4486, 17.3068, 18.9520



21.5763, 11.0462, 4.4771

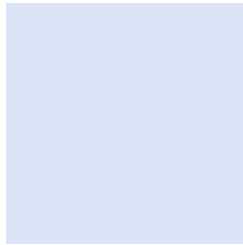


2.0419, 1.0405, 0.6440



# Previews

## White Background



This preview shows how the XYZ color 74.2019, 77.4798, 99.8512 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

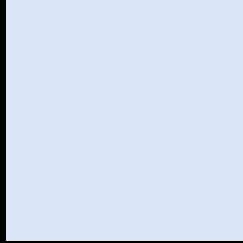
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.2019, 77.4798, 99.8512 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

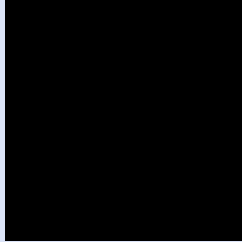
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 74.2019, 77.4798, 99.8512

## Background



This preview shows how black text looks on a background with the XYZ color 74.2019, 77.4798, 99.8512.



This preview shows how white text looks on a background with the XYZ color 74.2019, 77.4798,



# 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

74.2019, 77.4798, 99.8512

### Protanopia

75.3489, 77.2769, 98.9403

### Deuteranopia

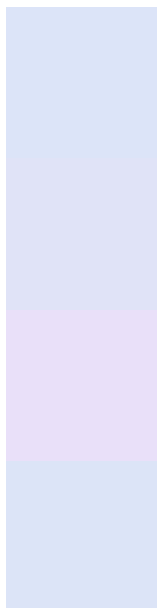
78.8905, 77.0777, 100.3420



## Tritanopia

73.8932, 77.3563, 98.2254

# Trichromacy



## Original Color

74.2019, 77.4798, 99.8512

## Protanomaly

74.9981, 77.5009, 99.0020

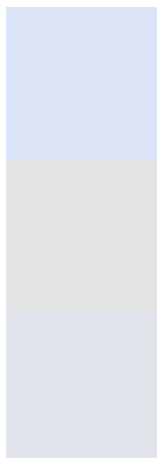
## Deuteranomaly

77.3588, 77.4745, 100.4994

## Tritanomaly

74.0471, 77.4178, 99.0361

# Monochromacy



## Original Color

74.2019, 77.4798, 99.8512

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

73.7901, 77.4925, 89.6657

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.2019, 77.4798, 99.8512 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(220, 228, 248)` looks like.

```
.text, #text, p{  
    color:rgb(220, 228, 248)  
}
```

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(220, 228, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 228, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 74.2019, 77.4798, 99.8512 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(220, 228, 248) }
```



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

```
.border{ border-color:rgb(220, 228, 248) }
```

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

Here you see how a box with a 4 pixel rgb(220, 228, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 228, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 228, 248);  
box-shadow:4px 4px 4px 4px rgb(220, 228,  
248) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.2019, 77.4798, 99.8512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 228, 248) }
```

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

```
.background{ background-color: rgb(220,  
228, 248) }
```

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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