

# Converting Colors

XYZ(71.4097, 75.0201, 98.4340)

Have a look what the booklet for  
XYZ(71.4097, 75.0201, 98.4340)  
contains.

<b>XYZ(71.4453, 74.8620, 98.6799)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(71.4453, 74.8620,  
98.6799)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6E1F7
RGB	214, 225, 247
RGB Percent	84%, 88%, 97%
CMY	0.1608, 0.1176, 0.0314
CMYK	0.13, 0.09, 0.00, 0.03
HSL	220°, 67%, 90%
HSV	220°, 13%, 97%
XYZ	71.4453, 74.8620, 98.6799
YIQ	224.2190, -13.6180, 4.5100

# Conversions

## Conversions Part 2

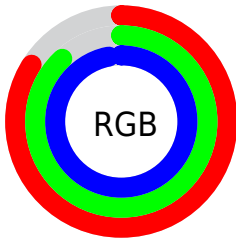
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 222, 247
Decimal	14082551
CIE Lab	89.33, 0.62, -11.95
CIE LCh	89, 11.962, 272.964
Yxy	74.8620, 0.2916, 0.3056
Android (android.graphics.Color)	4292272631 (0xFFD6E1F7)
YUV	224.2190, 11.2310, -8.9621
Hunter-Lab	86.5228, -4.0205, -7.0547

# Details

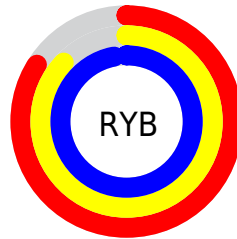
The XYZ color **71.4453, 74.8620, 98.6799** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **80.4913, 84.6198, 75.7108**, and the grayscale version is **70.9392, 74.6335, 81.2759**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.0768, 39.8820, 54.9813** is the 20% darker color. If you saturate the color by 10%, you get **60.5379, 62.9487, 96.9565**, and if you desaturate by 10%, it is **83.8794, 88.2034, 100.6009**.

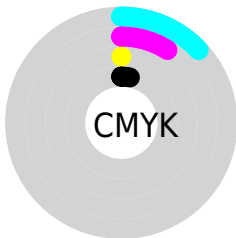
# Distribution



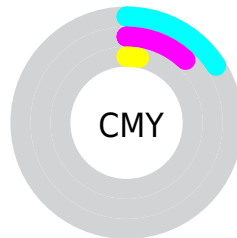
- Red (84%)
- Green (88%)
- Blue (97%)



- Red (84%)
- Yellow (87%)
- Blue (97%)



- Cyan (13%)
- Magenta (9%)
- Yellow (0%)
- Black (3%)



- Cyan (16%)
- Magenta (12%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.4453, 74.8620, 98.6799 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 71.4453, 74.8620, 98.6799 by changing the saturation by 10% instead.



■ 71.4453, 74.8620,  
98.6799

■ 71.4453, 74.8620,  
98.6799

454.7962,  
477.4431, 577.1624

■ 52.9895, 55.4998,  
74.5878

120.2826,  
126.1170, 161.3779

■ 38.0218, 39.8021,  
54.7756

151.3949,  
158.7786, 200.8209

■ 26.1769, 27.3842,  
38.8247

187.4567,  
196.6422, 246.2179

■ 17.0894, 17.8620,  
26.3166

228.8334,  
240.0921, 297.9875

■ 10.3940, 10.8510,  
16.8327

275.8904,  
289.5128, 356.5482

■ 5.7252, 5.9667,  
9.9546

328.9929,

■ 2.7178, 2.8248,

345.2886, 422.3186

5.2637

388.5064,  
407.8039, 495.7171

■ 1.0063, 1.0410,  
2.3413

■ 0.0000, 0.0000,  
0.7542

■ 71.4453, 74.8620,  
98.6799

■ 71.4453, 74.8620,  
98.6799

■ 60.5379, 62.9487,  
96.9565

■ 83.8794, 88.2034,  
100.6009

■ 51.0894, 52.4048,  
95.4193

■ 93.7887, 99.4955,  
102.2582

■ 43.0367, 43.1809,  
94.0633

■ 36.3089, 35.2208,  
92.8815

■ 30.8290, 28.4640,  
91.8661

■ 26.5109, 22.8443,  
91.0090

■ 23.2566, 18.2877,  
90.3010

■ 20.9491, 14.7087,  
89.7318

■ 19.8329, 12.8039,  
89.4229

# Harmonies

## Analogous

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



68.6280, 74.8620, 96.7180



71.4453, 74.8620, 98.6799



74.2585, 74.8620, 95.7875

# Triad

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



71.4453, 74.8620, 98.6799



75.9782, 74.8620, 73.0578



66.2609, 74.8620, 74.4071

# Complementary

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



71.4453, 74.8620, 98.6799



80.4913, 84.6198, 75.7108

# 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.



68.1374, 74.8620, 68.7303



71.4453, 74.8620, 98.6799



73.7414, 74.8620, 67.9896

# Square

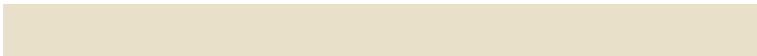
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.4453, 74.8620, 98.6799



76.9201, 74.8620, 80.6819



70.8637, 74.8620, 66.4605



65.6837, 74.8620, 82.3477



# Rectangle

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



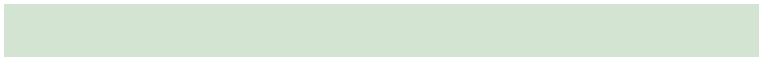
71.4453, 74.8620, 98.6799



75.7389, 74.8620, 91.6042



70.8637, 74.8620, 66.4605



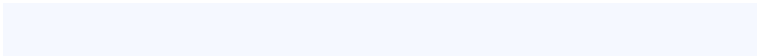
66.7581, 74.8620, 72.1897

# Sweetspot

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



71.4475, 74.8651, 98.6816



89.2657, 93.8549, 108.0188



76.0542, 86.8432, 91.6938



18.8802, 19.8475, 23.0858



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.



71.4475, 74.8651, 98.6816



73.5294, 76.9251, 105.5804



70.0349, 69.8625, 97.7904



16.0326, 16.8294, 20.9460



10.6051, 7.0041, 47.3310



1.0227, 0.7969, 4.1902



# Inverse Universe

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



75.9967, 73.3053, 81.3816



79.3136, 75.0450, 83.5608



82.0348, 90.2639, 76.7189



16.7270, 16.5737, 18.3091



21.1575, 10.8064, 5.5378

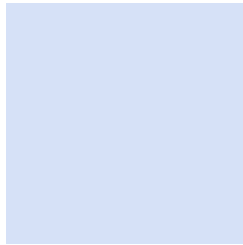


1.9053, 0.9681, 0.7277



# Previews

## White Background



This preview shows how the XYZ color 71.4453, 74.8620, 98.6799 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

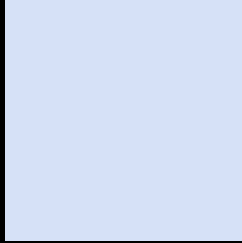
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.4453, 74.8620, 98.6799 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

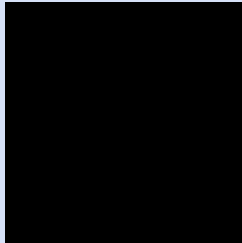
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

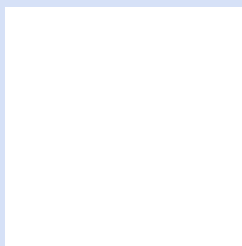
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.4453, 74.8620, 98.6799**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.4453, 74.8620, 98.6799.



This preview shows how white text looks on a background with the XYZ color 71.4453, 74.8620,

98.6799.

# 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

71.4453, 74.8620, 98.6799

### Protanopia

73.1464, 74.9588, 97.8020

### Deuteranopia

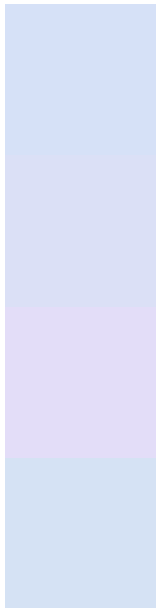
76.2756, 74.5823, 99.1826



## Tritanopia

70.8146, 75.0099, 95.5401

# Trichromacy



## Original Color

71.4453, 74.8620, 98.6799

## Protanomaly

72.5036, 75.0252, 97.8487

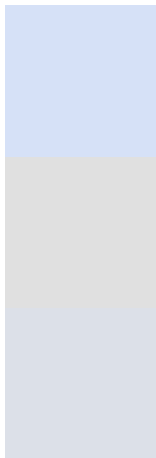
## Deuteranomaly

74.4783, 74.8211, 99.3234

## Tritanomaly

70.9661, 75.0705, 96.3377

# Monochromacy



## Original Color

71.4453, 74.8620, 98.6799

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

70.7363, 74.3531, 86.9673

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.4453, 74.8620, 98.6799 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(214, 225, 247)` looks like.

```
.text, #text, p{  
    color:rgb(214, 225, 247)  
}
```

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(214, 225, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 225, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 71.4453, 74.8620, 98.6799 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(214, 225, 247) }
```



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

```
.border{ border-color:rgb(214, 225, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 225, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 225, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 225, 247);  
box-shadow:4px 4px 4px 4px rgb(214, 225,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.4453, 74.8620, 98.6799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 225, 247) }
```

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

```
.background{ background-color: rgb(214,  
225, 247) }
```

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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