

# Converting Colors

XYZ(70.4602, 73.2486, 96.2535)

Have a look what the booklet for  
XYZ(70.4602, 73.2486, 96.2535)  
contains.

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# Color

**XYZ(70.4747, 73.2213,  
96.0067)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7DEF4
RGB	215, 222, 244
RGB Percent	84%, 87%, 96%
CMY	0.1569, 0.1294, 0.0431
CMYK	0.12, 0.09, 0.00, 0.04
HSL	226°, 57%, 90%
HSV	226°, 12%, 96%
XYZ	70.4747, 73.2213, 96.0067
YIQ	222.4150, -11.2340, 5.3580

# Conversions

## Conversions Part 2

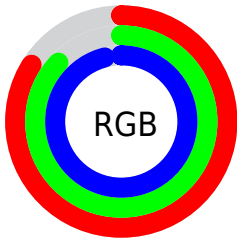
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	215, 221, 244
Decimal	14147316
CIE Lab	88.55, 1.89, -11.52
CIE LCh	89, 11.673, 279.326
Yxy	73.2213, 0.2940, 0.3055
Android (android.graphics.Color)	4292337396 (0xFFD7DEF4)
YUV	222.4150, 10.6414, -6.5030
Hunter-Lab	85.5694, -2.7345, -6.6232

# Details

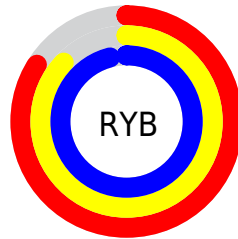
The XYZ color **70.4747, 73.2213, 96.0067** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79.8584, 84.7071, 76.4324**, and the grayscale version is **69.6591, 73.2868, 79.8093**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.3930, 38.7419, 53.0841** is the 20% darker color. If you saturate the color by 10%, you get **59.1888, 60.5037, 94.1479**, and if you desaturate by 10%, it is **83.3731, 87.5750, 98.0986**.

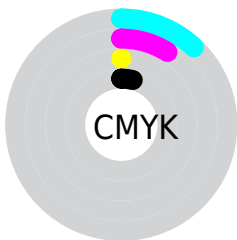
# Distribution



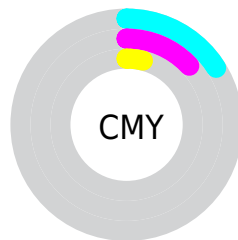
- Red (84%)
- Green (87%)
- Blue (96%)



- Red (84%)
- Yellow (87%)
- Blue (96%)



- Cyan (12%)
- Magenta (9%)
- Yellow (0%)
- Black (4%)



- Cyan (16%)
- Magenta (13%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.4747, 73.2213, 96.0067 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 70.4747, 73.2213, 96.0067 by changing the saturation by 10% instead.



■ 70.4747, 73.2213,  
96.0067

■ 70.4747, 73.2213,  
96.0067

451.4555,  
471.7814, 568.4493

■ 52.1946, 54.1569,  
72.3716

118.9080,  
123.7913, 157.6622

■ 37.3851, 38.7271,  
52.9736

149.7920,  
156.0658, 196.5197

■ 25.6809, 26.5475,  
37.3941

185.6080,  
193.5124, 241.2884

■ 16.7165, 17.2337,  
25.2146

226.7213,  
236.5155, 292.3869

■ 10.1266, 10.4013,  
16.0166

273.4974,  
285.4596, 350.2337

■ 5.5459, 5.6658,  
9.3814

326.3015,

■ 2.6090, 2.6430,

340.7290, 415.2473

4.8906

385.4991,  
402.7082, 487.8463

■ 0.9505, 0.9483,  
2.1256

■ 0.0000, 0.0000,  
0.6309

■ 70.4747, 73.2213,  
96.0067

■ 70.4747, 73.2213,  
96.0067

■ 59.1888, 60.5037,  
94.1479

■ 83.3731, 87.5750,  
98.0986

■ 49.4444, 49.3542,  
92.5095

■ 93.3294, 99.3117,  
99.8392

■ 41.1747, 39.7130,  
91.0844

■ 34.3054, 31.5133,  
89.8637

■ 28.7556, 24.6827,  
88.8378

■ 24.4354, 19.1423,  
87.9961

■ 21.2431, 14.8044,  
87.3270

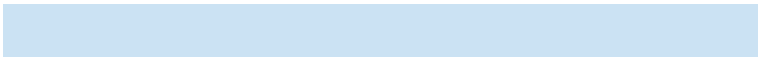
■ 19.0588, 11.5684,  
86.8176

■ 17.8895, 9.6519,  
86.5093

# Harmonies

## Analogous

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



67.7027, 73.2213, 95.1122



70.4747, 73.2213, 96.0067



73.0785, 73.2213, 92.3169

# Triad

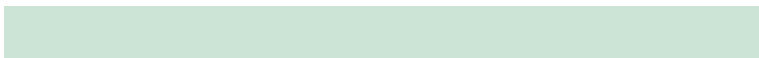
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.4747, 73.2213, 96.0067



73.8625, 73.2213, 70.3074



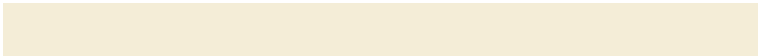
64.6564, 73.2213, 74.3814

# Complementary

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



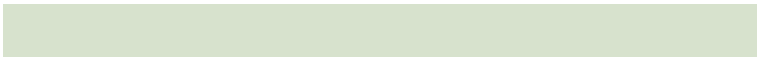
70.4747, 73.2213, 96.0067



79.8584, 84.7071, 76.4324

# 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.



66.2233, 73.2213, 68.3346



70.4747, 73.2213, 96.0067



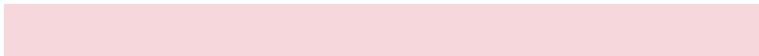
71.5215, 73.2213, 66.0948

# Square

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



70.4747, 73.2213, 96.0067



75.0688, 73.2213, 77.2419



68.7220, 73.2213, 65.3977



64.3933, 73.2213, 82.2618



# Rectangle

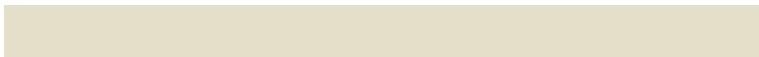
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.4747, 73.2213, 96.0067



74.3505, 73.2213, 87.8910



68.7220, 73.2213, 65.3977



65.0461, 73.2213, 72.0822

# Sweetspot

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



70.4769, 73.2244, 96.0083



88.9778, 93.2792, 107.9228



75.6258, 85.2495, 92.3995



18.8075, 19.7022, 23.0616



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.



70.4769, 73.2244, 96.0083



75.0755, 77.7702, 105.6620



70.8317, 70.7030, 95.5030



15.9061, 16.5765, 20.9038



9.8155, 5.4248, 47.0678



0.9396, 0.6306, 4.1624



# Inverse Universe

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



74.7952, 73.1094, 79.2802



80.6425, 77.6768, 84.0843



79.4593, 87.5705, 77.0061



16.6632, 16.5481, 17.9729



20.7589, 10.6470, 3.4389

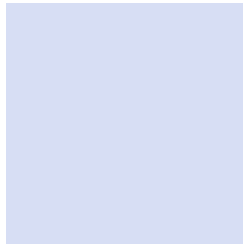


1.8633, 0.9513, 0.5067



# Previews

## White Background



This preview shows how the XYZ color 70.4747, 73.2213, 96.0067 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

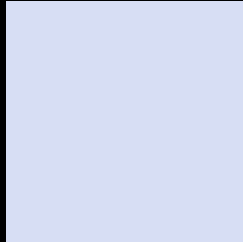
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.4747, 73.2213, 96.0067 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

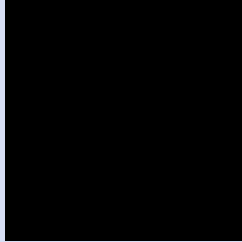
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 70.4747, 73.2213, 96.0067**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.4747, 73.2213, 96.0067.



This preview shows how white text looks on a background with the XYZ color 70.4747, 73.2213,



# 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

70.4747, 73.2213, 96.0067

### Protanopia

71.5493, 73.3996, 95.1905

### Deuteranopia

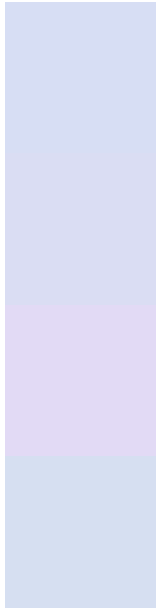
74.6416, 73.0279, 96.5480



## Tritanopia

69.8474, 73.3628, 92.9172

# Trichromacy



## Original Color

70.4747, 73.2213, 96.0067

## Protanomaly

70.9476, 73.0894, 95.1623

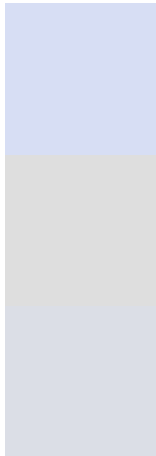
## Deuteranomaly

72.9169, 72.9041, 96.6150

## Tritanomaly

69.9964, 73.4224, 93.7018

# Monochromacy



## Original Color

70.4747, 73.2213, 96.0067

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

69.6176, 73.0158, 85.2871

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.4747, 73.2213, 96.0067 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(215, 222, 244) looks like.

```
.text, #text, p{  
    color:rgb(215, 222, 244)  
}
```

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(215, 222, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 222, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 70.4747, 73.2213, 96.0067 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(215, 222, 244) }
```



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

```
.border{ border-color:rgb(215, 222, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 222, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 222, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 222, 244);  
box-shadow:4px 4px 4px 4px rgb(215, 222,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.4747, 73.2213, 96.0067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 222, 244) }
```

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

```
.background{ background-color: rgb(215,  
222, 244) }
```

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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