

# Converting Colors

XYZ(70.5829, 75.1600, 87.1423)

Have a look what the booklet for  
XYZ(70.5829, 75.1600, 87.1423)  
contains.

<b>XYZ(70.3771, 74.9706, 87.1054)</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(70.3771, 74.9706,  
87.1054)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D9E2E8
RGB	217, 226, 232
RGB Percent	85%, 89%, 91%
CMY	0.1490, 0.1137, 0.0902
CMYK	0.06, 0.03, 0.00, 0.09
HSL	204°, 25%, 88%
HSV	204°, 6%, 91%
XYZ	70.3771, 74.9706, 87.1054
YIQ	223.9930, -7.2900, -0.0420

# Conversions

## Conversions Part 2

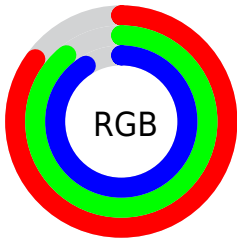
Format	Color
R <sub>Y</sub> B	217, 223, 232
Decimal	14279400
CIE Lab	89.38, -1.88, -3.97
CIE LCh	89, 4.396, 244.709
Yxy	74.9706, 0.3028, 0.3225
Android (android.graphics.Color)	4292469480 (0xFFD9E2E8)
YUV	223.9930, 3.9475, -6.1329
Hunter-Lab	86.5856, -6.4392, 0.9639

# Details

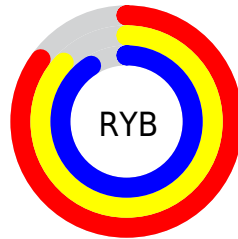
The XYZ color **70.3771, 74.9706, 87.1054** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.1910, 74.9403, 76.3069**, and the grayscale version is **70.8248, 74.5132, 81.1448**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.2997, 39.9418, 46.8179** is the 20% darker color. If you saturate the color by 10%, you get **61.5064, 66.7563, 85.9886**, and if you desaturate by 10%, it is **80.3580, 83.9639, 88.3164**.

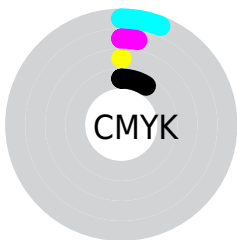
# Distribution



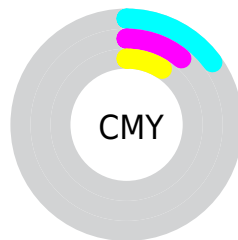
- Red (85%)
- Green (89%)
- Blue (91%)



- Red (85%)
- Yellow (87%)
- Blue (91%)



- Cyan (6%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)



- Cyan (15%)
- Magenta (11%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.3771, 74.9706, 87.1054 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 70.3771, 74.9706, 87.1054 by changing the saturation by 10% instead.



■ 70.3771, 74.9706,  
87.1054

■ 70.3771, 74.9706,  
87.1054

451.1188,  
477.8165, 538.8943

■ 52.1147, 55.5888,  
65.0223

118.7697,  
126.2707, 145.2112

■ 37.3212, 39.8733,  
47.0277

149.6307,  
158.9579, 182.0710

■ 25.6311, 27.4398,  
32.7031

185.4218,  
196.8489, 224.6934

■ 16.6791, 17.9038,  
21.6298

226.5086,  
240.3283, 273.4971

■ 10.0998, 10.8809,  
13.3894

273.2563,  
289.7803, 328.9005

■ 5.5280, 5.9868,  
7.5634

326.0304,

■ 2.5982, 2.8371,

345.5894, 391.3221

3.7331

385.1961,  
408.1400, 461.1805

■ 0.9450, 1.0473,  
1.4801

■ 0.0000, 0.0000,  
0.2030

■ 70.3771, 74.9706,  
87.1054

■ 70.3771, 74.9706,  
87.1054

■ 61.5064, 66.7563,  
85.9886

■ 80.3580, 83.9639,  
88.3164

■ 53.6970, 59.2864,  
84.9583

■ 88.3235, 92.1218,  
89.4712

■ 46.9060, 52.5376,  
84.0136

■ 91.1933, 97.8614,  
90.4278

■ 41.0845, 46.4814,  
83.1515

■ 91.5657, 98.6063,  
90.5519

■ 36.1797, 41.0872,  
82.3688

■ 32.1331, 36.3212,  
81.6621

■ 28.8788, 32.1459,  
81.0278

■ 26.3400, 28.5181,  
80.4613

■ 24.4209, 25.3843,  
79.9576

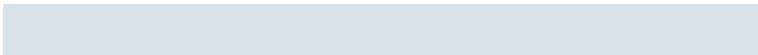
# Harmonies

## Analogous

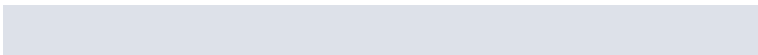
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.5701, 74.9706, 85.0507



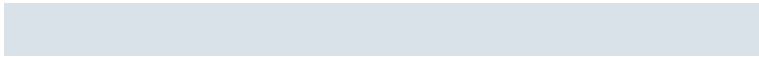
70.3771, 74.9706, 87.1054



71.4273, 74.9706, 87.6788

# Triad

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



70.3771, 74.9706, 87.1054



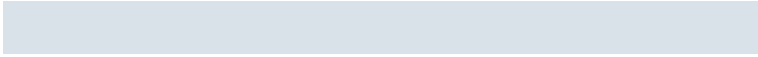
73.3391, 74.9706, 81.1448



70.0858, 74.9706, 76.8557

# Complementary

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



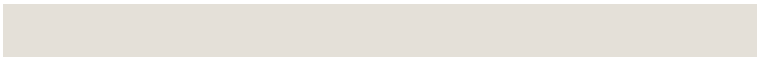
70.3771, 74.9706, 87.1054



72.1910, 74.9403, 76.3069

# 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.



71.0876, 74.9706, 75.8664



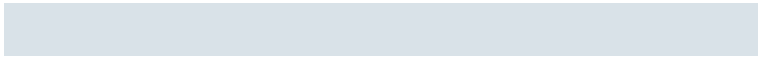
70.3771, 74.9706, 87.1054



72.9716, 74.9706, 78.3028

# Square

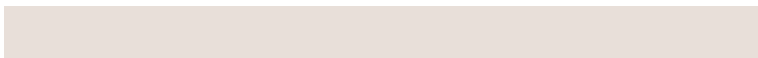
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.3771, 74.9706, 87.1054



73.1443, 74.9706, 84.1878



72.1448, 74.9706, 76.3895

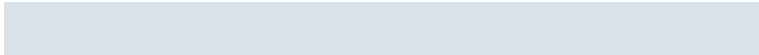


69.4031, 74.9706, 79.1250



# Rectangle

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



70.3771, 74.9706, 87.1054



72.1256, 74.9706, 87.1320



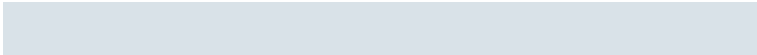
72.1448, 74.9706, 76.3895



70.3960, 74.9706, 76.3651

# Sweetspot

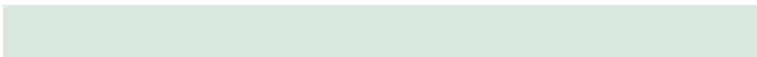
The Sweet Spot groups the original color and five complimentary colors.



70.3793, 74.9738, 87.1071



92.5515, 97.7516, 108.5977



70.7587, 77.7804, 80.9204



19.8361, 20.9465, 23.2476



0.0000, 0.0000, 0.0000

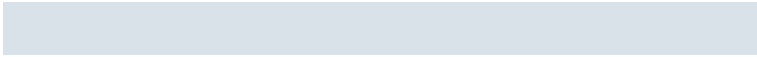


20.3446, 21.4041, 23.3091

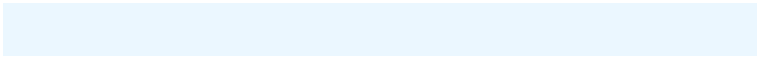


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.3793, 74.9738, 87.1071



85.3923, 91.2408, 107.7183



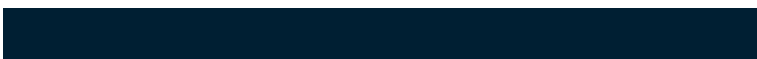
68.4483, 71.1119, 86.4634



14.2988, 15.3189, 18.3476



13.3587, 13.7795, 44.3388



1.0775, 1.1988, 3.3066



# Inverse Universe

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



71.8207, 72.2740, 82.1201



87.5985, 87.1537, 100.0756



74.1707, 78.8996, 76.9668



14.7384, 14.5125, 16.8227



21.1364, 10.5888, 14.8789

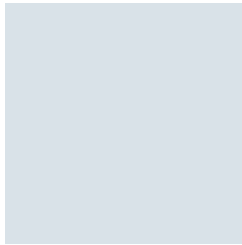


1.6075, 0.8007, 1.3395



# Previews

## White Background



This preview shows how the XYZ color 70.3771, 74.9706, 87.1054 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

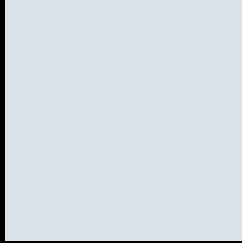
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.3771, 74.9706, 87.1054 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

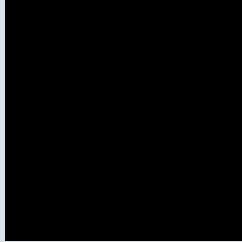
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

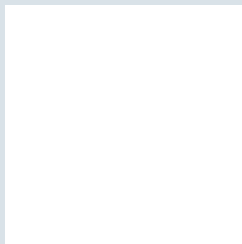
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 70.3771, 74.9706, 87.1054

## Background



This preview shows how black text looks on a background with the XYZ color 70.3771, 74.9706, 87.1054.



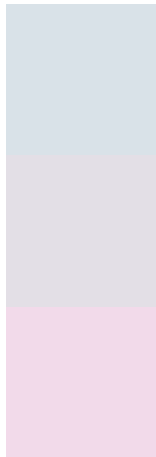
This preview shows how white text looks on a background with the XYZ color 70.3771, 74.9706,

87.1054.

# 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

70.3771, 74.9706, 87.1054

### Protanopia

72.3492, 74.8194, 85.4913

### Deuteranopia

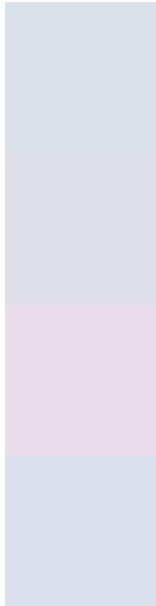
76.5406, 74.9606, 88.2766



## Tritanopia

71.8961, 74.7822, 94.6495

# Trichromacy



## Original Color

70.3771, 74.9706, 87.1054

## Protanomaly

71.5109, 74.7688, 86.2641

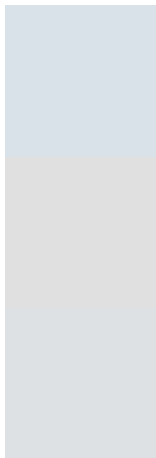
## Deuteranomaly

74.1687, 74.9197, 87.6426

## Tritanomaly

71.2713, 74.9289, 91.5952

# Monochromacy



## Original Color

70.3771, 74.9706, 87.1054

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

70.6091, 74.7686, 83.3833

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.3771, 74.9706, 87.1054 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(217, 226, 232) looks like.

```
.text, #text, p{  
    color:rgb(217, 226, 232)  
}
```

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(217, 226, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 226, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 70.3771, 74.9706, 87.1054 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(217, 226, 232) }
```



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

```
.border{ border-color:rgb(217, 226, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 226, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 226, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 226, 232);  
box-shadow:4px 4px 4px 4px rgb(217, 226,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.3771, 74.9706, 87.1054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 226, 232) }
```

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

```
.background{ background-color: rgb(217,  
226, 232) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor