

# Converting Colors

XYZ(70.2233, 75.3784, 83.5237)

Have a look what the booklet for  
XYZ(70.2233, 75.3784, 83.5237)  
contains.

<b>XYZ(70.2477, 75.3896, 83.5223)</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(70.2477, 75.3896,  
83.5223)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAE3E3
RGB	218, 227, 227
RGB Percent	85%, 89%, 89%
CMY	0.1451, 0.1098, 0.1098
CMYK	0.04, 0.00, 0.00, 0.11
HSL	180°, 14%, 87%
HSV	180°, 4%, 89%
XYZ	70.2477, 75.3896, 83.5223
YIQ	224.3090, -5.3640, -1.9080

# Conversions

## Conversions Part 2

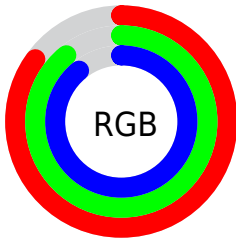
Format	Color
RYP	218, 223, 227
Decimal	14345187
CIELab	89.58, -3.00, -1.06
CIElCh	90, 3.180, 199.378
Yxy	75.3896, 0.3065, 0.3290
Android (android.graphics.Color)	4292535267 (0xFFDAE3E3)
YUV	224.3090, 1.3267, -5.5330
Hunter-Lab	86.8272, -7.5318, 3.7458

# Details

The XYZ color **70.2477, 75.3896, 83.5223** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.4076, 71.5378, 76.4833**, and the grayscale version is **71.0679, 74.7689, 81.4234**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.3032, 40.2701, 44.8366** is the 20% darker color. If you saturate the color by 10%, you get **63.9183, 72.1289, 83.2215**, and if you desaturate by 10%, it is **77.5111, 79.1360, 83.8700**.

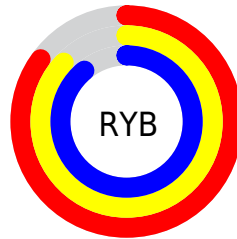
# Distribution



Red (85%)

Green (89%)

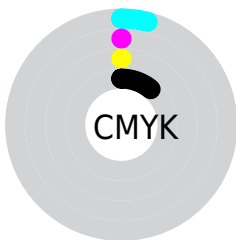
Blue (89%)



Red (85%)

Yellow (87%)

Blue (89%)

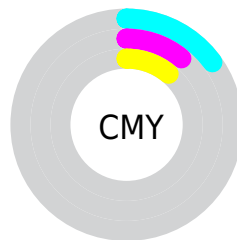


Cyan (4%)

Magenta (0%)

Yellow (0%)

Black (11%)



Cyan (15%)

Magenta (11%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.2477, 75.3896, 83.5223 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 70.2477, 75.3896, 83.5223 by changing the saturation by 10% instead.



■ 70.2477, 75.3896,  
83.5223

■ 70.2477, 75.3896,  
83.5223

450.6721,  
479.2556, 526.7421

■ 52.0088, 55.9321,  
62.0780

118.5863,  
126.8637, 140.1625

■ 37.2364, 40.1485,  
44.6595

149.4167,  
159.6491, 176.1955

■ 25.5651, 27.6544,  
30.8483

185.1750,  
197.6460, 217.9285

■ 16.6295, 18.0653,  
20.2259

226.2265,  
241.2387, 265.7800

■ 10.0644, 10.9969,  
12.3737

272.9366,  
290.8116, 320.1686

■ 5.5043, 6.0647,  
6.8731

325.6707,

■ 2.5838, 2.8845,

346.7491, 381.5128

3.3056

384.7941,  
409.4357, 450.2311

■ 0.9377, 1.0717,  
1.2527

■ 0.0000, 0.0000,  
0.0226

■ 70.2477, 75.3896,  
83.5223

■ 70.2477, 75.3896,  
83.5223

■ 63.9183, 72.1289,  
83.2215

■ 77.5111, 79.1360,  
83.8700

■ 58.4789, 69.3249,  
82.9607

■ 82.5782, 81.7480,  
84.1133

■ 53.8916, 66.9603,  
82.7399

■ 82.5794, 81.7485,  
84.1195

■ 50.1133, 65.0126,  
82.5569

■ 82.5806, 81.7490,  
84.1257

47.0970, 63.4577,  
82.4095

82.5817, 81.7495,  
84.1320

44.7909, 62.2691,  
82.2954

82.5829, 81.7499,  
84.1382

43.1370, 61.4166,  
82.2119

82.5841, 81.7504,  
84.1444

42.0679, 60.8656,  
82.1556

82.5853, 81.7509,  
84.1507

41.5016, 60.5738,  
82.1230

82.5865, 81.7513,  
84.1569

# Harmonies

## Analogous

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



70.1891, 75.3896, 81.2960



70.2477, 75.3896, 83.5223



70.6819, 75.3896, 85.3956

# Triad

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



70.2477, 75.3896, 83.5223



72.8019, 75.3896, 84.9196



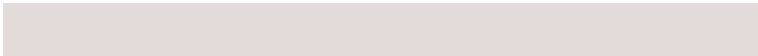
71.9328, 75.3896, 77.9300

# Complementary

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



70.2477, 75.3896, 83.5223



69.4076, 71.5378, 76.4833

# 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.



72.6381, 75.3896, 78.8639



70.2477, 75.3896, 83.5223



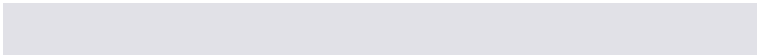
73.1423, 75.3896, 82.8821

# Square

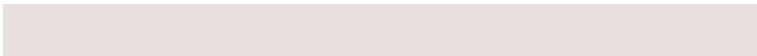
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.2477, 75.3896, 83.5223



72.1552, 75.3896, 86.2124



73.0821, 75.3896, 80.6672



71.1582, 75.3896, 78.0943

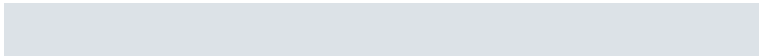


# Rectangle

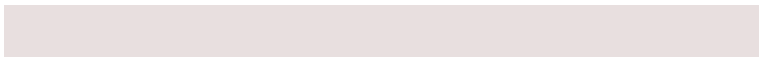
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



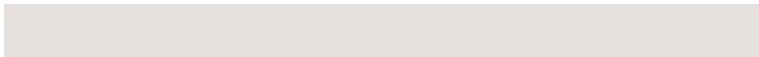
70.2477, 75.3896, 83.5223



71.1278, 75.3896, 86.1794



73.0821, 75.3896, 80.6672



72.1860, 75.3896, 78.1252

# Sweetspot

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



70.2498, 75.3928, 83.5240



94.1179, 99.5195, 108.8556



69.0845, 74.9319, 77.1531



20.1549, 21.3063, 23.3000



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

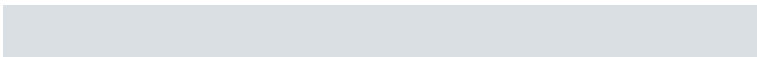
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.2498, 75.3928, 83.5240



90.5130, 97.6612, 108.6836



69.0750, 73.0425, 83.1347



15.3502, 16.6162, 18.5418



24.0995, 35.2719, 47.8855



1.7809, 2.6065, 3.5390



# Inverse Universe

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



69.4076, 71.5378, 76.4833



89.1319, 91.3393, 97.1377



70.5505, 73.8243, 76.8621



15.0855, 15.4045, 16.3287



18.4754, 9.5244, 0.8666

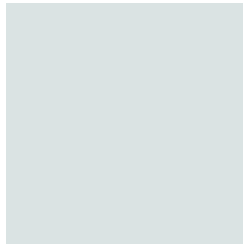


1.3653, 0.7038, 0.0644



# Previews

## White Background



This preview shows how the XYZ color 70.2477, 75.3896, 83.5223 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

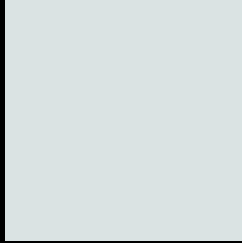
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.2477, 75.3896, 83.5223 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

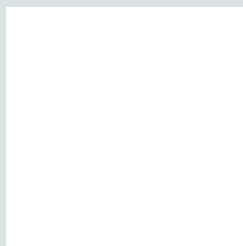
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 70.2477, 75.3896, 83.5223**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.2477, 75.3896, 83.5223.



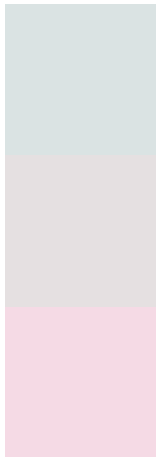
This preview shows how white text looks on a background with the XYZ color 70.2477, 75.3896,

83.5223.

# 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

70.2477, 75.3896, 83.5223

### Protanopia

72.5594, 75.4056, 81.9646

### Deuteranopia

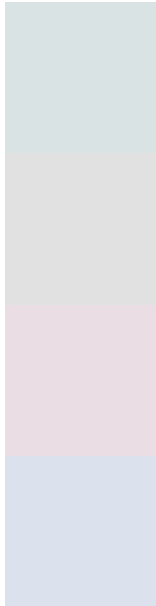
76.8704, 75.2124, 84.5947



## Tritanopia

72.4674, 75.4769, 94.7535

# Trichromacy



## Original Color

70.2477, 75.3896, 83.5223

## Protanomaly

71.7040, 75.3490, 82.7161

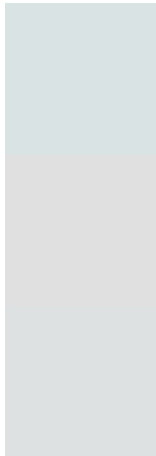
## Deuteranomaly

74.1210, 74.9765, 83.9641

## Tritanomaly

71.6958, 75.5672, 90.9279

# Monochromacy



## Original Color

70.2477, 75.3896, 83.5223

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

70.6400, 74.8163, 81.9520

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.2477, 75.3896, 83.5223 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(218, 227, 227) looks like.

```
.text, #text, p{  
    color:rgb(218, 227, 227)  
}
```

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(218, 227, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 227, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 70.2477, 75.3896, 83.5223 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(218, 227, 227) }
```



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

```
.border{ border-color:rgb(218, 227, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 227, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 227, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 227, 227); box-shadow:4px 4px 4px 4px rgb(218, 227, 227) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.2477, 75.3896, 83.5223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 227, 227) }
```

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

```
.background{ background-color: rgb(218,  
227, 227) }
```

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