

Converting Colors

XYZ(70.3036, 75.5492, 83.3908)

Have a look what the booklet for
XYZ(70.3036, 75.5492, 83.3908)
contains.

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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

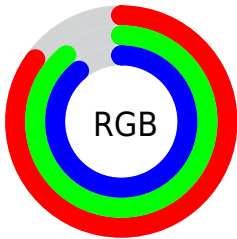
Format	Color
R_{YB}	218, 223, 227
Decimal	14345187
CIE Lab	89.58, -3.00, -1.06
CIE LCh	90, 3.180, 199.378
Yxy	75.3896, 0.3065, 0.3290
Android (android.graphics.Color)	4292535267 (0xFFDAE3E3)
YUV	224.3090, 1.3267, -5.5330
Hunter-Lab	86.8272, -7.5318, 3.7458

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**.

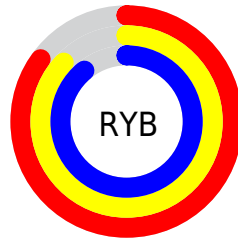
Distribution



Red (85%)

Green (89%)

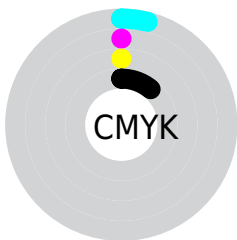
Blue (89%)



Red (85%)

Yellow (87%)

Blue (89%)

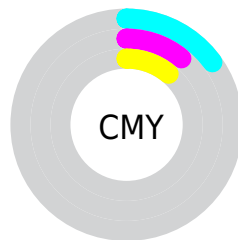


Cyan (4%)

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



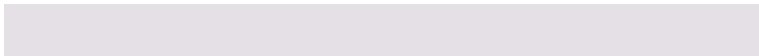
70.6819, 75.3896, 85.3956

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



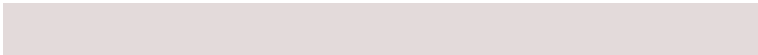
71.9328, 75.3896, 77.9300

Complementary

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



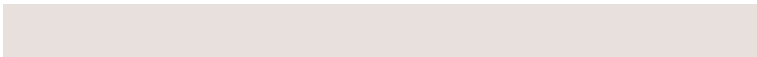
70.2477, 75.3896, 83.5223



69.4076, 71.5378, 76.4833

Split Complementary

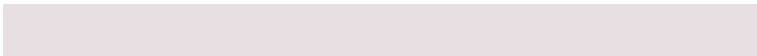
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.6381, 75.3896, 78.8639



70.2477, 75.3896, 83.5223



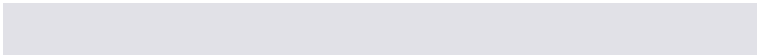
73.1423, 75.3896, 82.8821

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



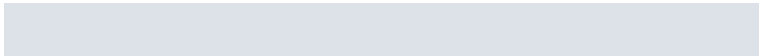
71.1582, 75.3896, 78.0943

Rectangle

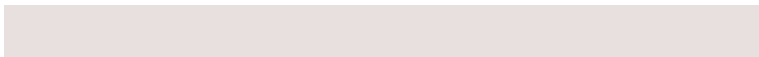
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



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



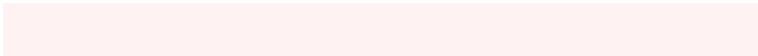
1.7809, 2.6065, 3.5390

Inverse Universe

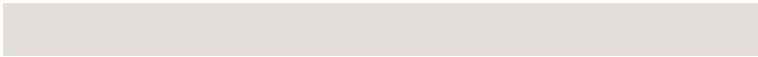
The Inverse Universe completely reimagines the original color for something new.



69.4076, 71.5378, 76.4833



89.1319, 91.3393, 97.1377



70.5505, 73.8243, 76.8621



15.0855, 15.4045, 16.3287



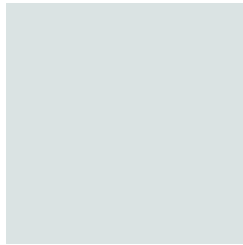
18.4754, 9.5244, 0.8666



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

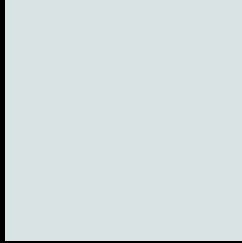
Large Text (above 18pt) WCAG AA × Fail

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

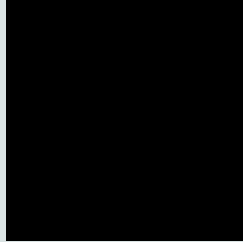
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

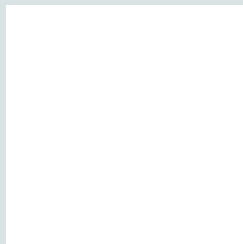
If you want to check with other color combinations, try the [Color Contrast Checker](#).

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.



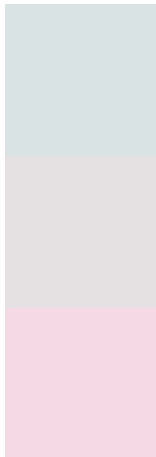
This preview shows how white text looks on a background with the XYZ color 70.2477, 75.3896,

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

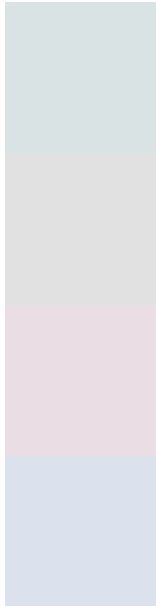
76.8704, 75.2124, 84.5947



Tritanopia

72.4674, 75.4769, 94.7535

Trichromacy



Original Color

70.2477, 75.3896, 83.5223

Protanomaly

71.7040, 75.3490, 82.7161

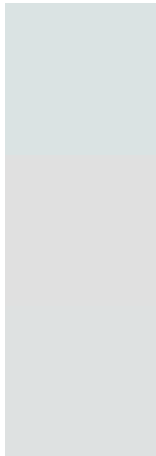
Deuteranomaly

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](#).

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