

Converting Colors

XYZ(70.2500, 76.9473, 83.5847)

Have a look what the booklet for
XYZ(70.2500, 76.9473, 83.5847)
contains.

XYZ(70.4654, 77.1450, 83.8496)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.4654, 77.1450,
83.8496)**

Conversions

Conversions Part 1

Format	Color
Hex	D7E7E3
RGB	215, 231, 227
RGB Percent	84%, 91%, 89%
CMY	0.1569, 0.0941, 0.1098
CMYK	0.07, 0.00, 0.02, 0.09
HSL	165°, 25%, 87%
HSV	165°, 7%, 91%
XYZ	70.4654, 77.1450, 83.8496
YIQ	225.7600, -8.2520, -4.6360

Conversions

Conversions Part 2

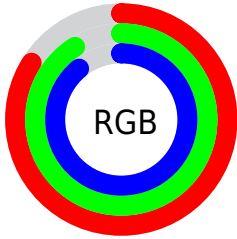
Format	Color
R _Y B	215, 224, 231
Decimal	14149603
CIE Lab	90.39, -6.04, 0.11
CIE LCh	90, 6.039, 178.976
Yxy	77.1450, 0.3044, 0.3333
Android (android.graphics.Color)	4292339683 (0xFFD7E7E3)
YUV	225.7600, 0.6113, -9.4365
Hunter-Lab	87.8322, -10.5007, 4.8810

Details

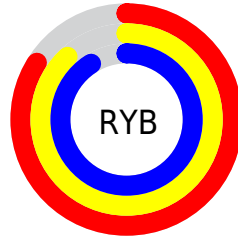
The XYZ color **70.4654, 77.1450, 83.8496** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.0445, 70.7063, 76.9775**, and the grayscale version is **72.1173, 75.8730, 82.6257**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.2736, 41.1121, 45.0006** is the 20% darker color. If you saturate the color by 10%, you get **63.3714, 73.5807, 79.4246**, and if you desaturate by 10%, it is **78.5483, 81.2203, 88.4638**.

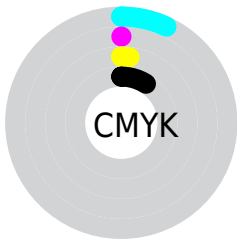
Distribution



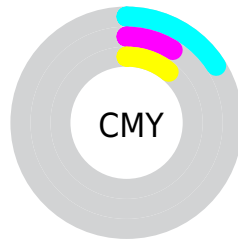
- Red (84%)
- Green (91%)
- Blue (89%)



- Red (84%)
- Yellow (88%)
- Blue (91%)



- Cyan (7%)
- Magenta (0%)
- Yellow (2%)
- Black (9%)



- Cyan (16%)
- Magenta (9%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.4654, 77.1450, 83.8496 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 70.4654, 77.1450, 83.8496 by changing the saturation by 10% instead.

70.4654, 77.1450,
83.8496

70.4654, 77.1450,
83.8496

451.4234,
485.2583, 527.8587

52.1870, 57.3719,
62.3466

118.8949,
129.3441, 140.6246

37.3790, 41.3039,
44.8752

149.7766,
162.5390, 176.7337

25.6761, 28.5566,
31.0169

185.5903,
200.9765, 218.5486

16.7129, 18.7457,
20.3532

226.7011,
245.0411, 266.4878

10.1240, 11.4866,
12.4654

273.4744,
295.1172, 320.9699

5.5442, 6.3952,
6.9351

326.2757,

2.6079, 3.0868,

351.5891, 382.4133

3.3437

385.4702,
414.8414, 451.2368

■ 0.9500, 1.1772,
1.2727

■ 0.0000, 0.0430,
0.0393

■ 70.4654, 77.1450,
83.8496

■ 70.4654, 77.1450,
83.8496

■ 63.3714, 73.5807,
79.4246

■ 78.5483, 81.2203,
88.4638

■ 57.2197, 70.4969,
75.1806

■ 85.3324, 84.6208,
93.1568

■ 51.9693, 67.8748,
71.1158

■ 86.1981, 84.9671,
97.7152

■ 47.5739, 65.6904,
67.2267

■ 87.0913, 85.3243,
102.4187

■ 43.9830, 63.9178,
63.5094

■ 87.8674, 85.6348,
106.5058

■ 41.1404, 62.5280,
59.9601

■ 38.9826, 61.4883,
56.5741

■ 37.4354, 60.7605,
53.3466

■ 36.4031, 60.2953,
50.2716

Harmonies

Analogous

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



70.8693, 77.1450, 79.7937



70.4654, 77.1450, 83.8496



70.8187, 77.1450, 88.0816

Triad

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



70.4654, 77.1450, 83.8496



74.7364, 77.1450, 91.4672



74.8273, 77.1450, 77.0865

Complementary

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



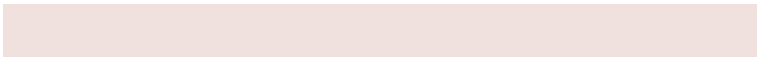
70.4654, 77.1450, 83.8496



70.0445, 70.7063, 76.9775

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.



75.8877, 77.1450, 80.0422



70.4654, 77.1450, 83.8496



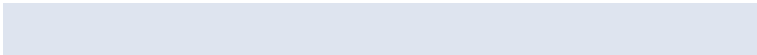
75.8348, 77.1450, 88.3470

Square

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



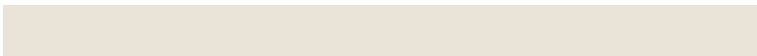
70.4654, 77.1450, 83.8496



73.2722, 77.1450, 92.5695



76.2589, 77.1450, 84.1462



73.3758, 77.1450, 75.9723

Rectangle

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



70.4654, 77.1450, 83.8496



71.4388, 77.1450, 90.4140



76.2589, 77.1450, 84.1462



75.2420, 77.1450, 77.8925

Sweetspot

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



70.4676, 77.1483, 83.8513



92.9937, 98.9636, 107.7351



70.1379, 77.1631, 75.4884



19.9260, 21.1931, 23.0720



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.



70.4676, 77.1483, 83.8513



87.1281, 96.0098, 104.2970



69.9927, 75.3038, 86.4513



14.6453, 16.2715, 17.6628



20.3123, 33.7570, 27.9425



1.5376, 2.5092, 2.2575

Inverse Universe

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



70.0445, 70.7063, 76.9775



86.5181, 86.7215, 94.3863



70.4853, 72.4215, 74.5549



14.5242, 14.4268, 15.6946



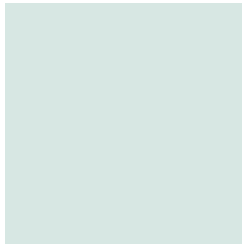
18.9421, 9.7111, 3.3241



1.4363, 0.7322, 0.4383

Previews

White Background



This preview shows how the XYZ color 70.4654, 77.1450, 83.8496 looks on a white background.

Color Contrast Check

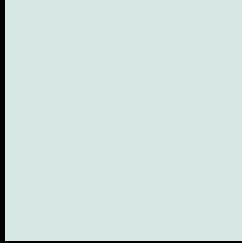
Large Text (above 18pt) WCAG AA × Fail

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 70.4654, 77.1450, 83.8496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

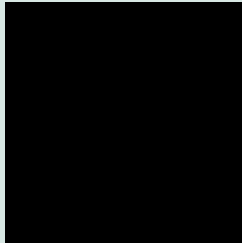
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

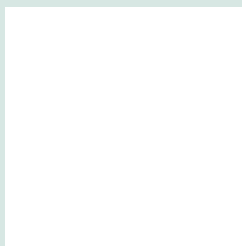
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.4654, 77.1450, 83.8496

Background



This preview shows how black text looks on a background with the XYZ color 70.4654, 77.1450, 83.8496.

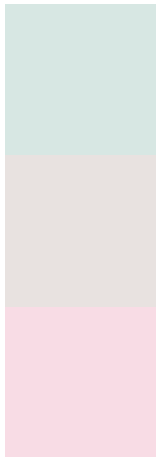


This preview shows how white text looks on a background with the XYZ color 70.4654, 77.1450,

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

70.4654, 77.1450, 83.8496

Protanopia

73.9296, 76.9303, 81.4735

Deuteranopia

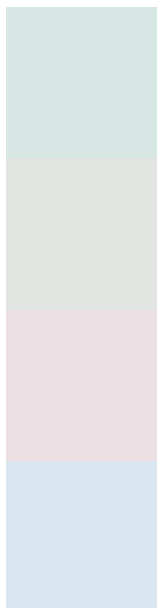
78.4475, 76.8000, 84.8180



Tritanopia

73.2914, 77.0461, 98.1973

Trichromacy



Original Color

70.4654, 77.1450, 83.8496

Protanomaly

72.6980, 77.0918, 82.2828

Deuteranomaly

75.2513, 76.7456, 84.2460

Tritanomaly

72.2146, 77.0223, 92.7220

Monochromacy



Original Color

70.4654, 77.1450, 83.8496

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.5951, 76.5074, 82.9454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4654, 77.1450, 83.8496 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, 231, 227) looks like.

```
.text, #text, p{  
    color:rgb(215, 231, 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(215, 231, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 231, 227) }
```

Border

The CSS property to change the border of an element to XYZ 70.4654, 77.1450, 83.8496 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, 231, 227) }
```


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

```
.border{ border-color:rgb(215, 231, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 231, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 231, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 231, 227);  
box-shadow:4px 4px 4px 4px rgb(215, 231,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4654, 77.1450, 83.8496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 231, 227) }
```

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

```
.background{ background-color: rgb(215,  
231, 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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