

Converting Colors

XYZ(70.6481, 79.7510, 77.2557)

Have a look what the booklet for
XYZ(70.6481, 79.7510, 77.2557)
contains.

XYZ(70.8329, 80.0252, 77.3588)	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(70.8329, 80.0252,
77.3588)**

Conversions

Conversions Part 1

Format	Color
Hex	D7EDD9
RGB	215, 237, 217
RGB Percent	84%, 93%, 85%
CMY	0.1569, 0.0706, 0.1490
CMYK	0.09, 0.00, 0.08, 0.07
HSL	125°, 38%, 89%
HSV	125°, 9%, 93%
XYZ	70.8329, 80.0252, 77.3588
YIQ	228.1420, -6.6920, -10.8840

Conversions

Conversions Part 2

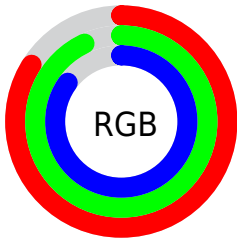
Format	Color
R _Y B	215, 235, 237
Decimal	14151129
CIE Lab	91.70, -10.89, 7.22
CIE LCh	92, 13.067, 146.454
Yxy	80.0252, 0.3104, 0.3507
Android (android.graphics.Color)	4292341209 (0xFFD7EDD9)
YUV	228.1420, -5.4930, -11.5255
Hunter-Lab	89.4568, -15.2111, 11.3481

Details

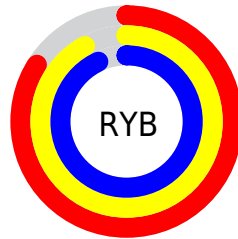
The XYZ color **70.8329, 80.0252, 77.3588** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.2238, 72.6055, 88.7033**, and the grayscale version is **73.8910, 77.7391, 84.6579**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.5427, 43.1300, 40.5286** is the 20% darker color. If you saturate the color by 10%, you get **61.7493, 75.6477, 63.2474**, and if you desaturate by 10%, it is **81.2950, 85.0757, 93.4480**.

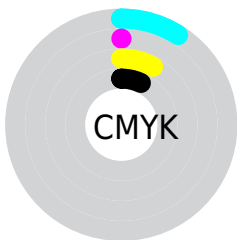
Distribution



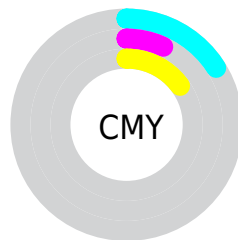
- Red (84%)
- Green (93%)
- Blue (85%)



- Red (84%)
- Yellow (92%)
- Blue (93%)



- Cyan (9%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)



- Cyan (16%)
- Magenta (7%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.8329, 80.0252, 77.3588 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 70.8329, 80.0252, 77.3588 by changing the saturation by 10% instead.

70.8329, 80.0252,
77.3588

70.8329, 80.0252,
77.3588

452.6900,
495.0178, 505.4566

52.4879, 59.7391,
57.0341

119.4156,
133.4012, 131.4235

37.6199, 43.2084,
40.6231

150.3839,
167.2598, 166.0005

25.8637, 30.0486,
27.7072

186.2908,
206.4114, 206.1654

16.8539, 19.8755,
17.8679

227.5015,
251.2404, 252.3367

10.2250, 12.3046,
10.6868

274.3814,
302.1311, 304.9329

5.6118, 6.9515,
5.7451

327.2959,

2.6489, 3.4318,

359.4680, 364.3726

2.6244

386.6103,
423.6354, 431.0743

■ 0.9709, 1.3611,
0.9050

■ 0.0000, 0.1878,
0.0000

■ 70.8329, 80.0252,
77.3588

■ 70.8329, 80.0252,
77.3588

■ 61.7493, 75.6477,
63.2474

■ 81.2950, 85.0757,
93.4480

■ 53.9804, 71.9050,
51.0324

■ 89.5757, 89.0515,
107.0752

■ 47.4672, 68.7707,
40.6347

■ 42.1436, 66.2126,
31.9673

■ 37.9373, 64.1954,
24.9365

■ 34.7683, 62.6801,
19.4392

■ 32.5458, 61.6224,
15.3612

■ 31.1632, 60.9699,
12.5718

■ 30.4625, 60.6446,
10.9153

Harmonies

Analogous

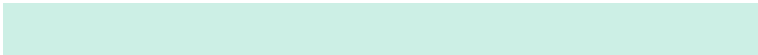
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.2359, 80.0252, 71.6806



70.8329, 80.0252, 77.3588



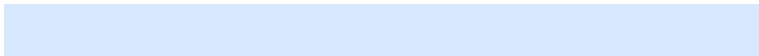
69.8292, 80.0252, 86.0011

Triad

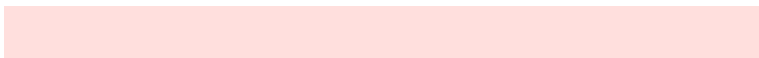
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.8329, 80.0252, 77.3588



75.6650, 80.0252, 106.8135



81.9582, 80.0252, 79.1933

Complementary

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



70.8329, 80.0252, 77.3588



74.2238, 72.6055, 88.7033

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.



82.6541, 80.0252, 88.2765



70.8329, 80.0252, 77.3588



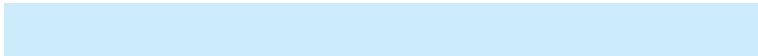
78.9589, 80.0252, 104.6622

Square

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



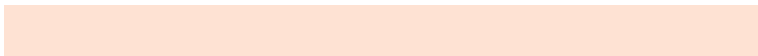
70.8329, 80.0252, 77.3588



72.5671, 80.0252, 103.3819



81.5414, 80.0252, 97.6995



79.6664, 80.0252, 72.6841

Rectangle

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



70.8329, 80.0252, 77.3588



70.0663, 80.0252, 92.4488



81.5414, 80.0252, 97.6995



82.3893, 80.0252, 82.0266

Sweetspot

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



70.8351, 80.0286, 77.3606



91.1917, 98.1380, 102.9801



76.8693, 83.1693, 76.2928



19.3035, 20.9017, 21.7112



0.0000, 0.0000, 0.0000



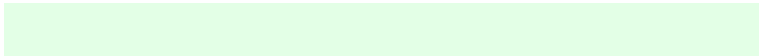
20.3446, 21.4041, 23.3091

Same Dimension

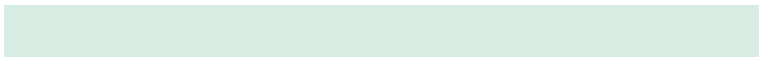
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.8351, 80.0286, 77.3606



81.6356, 93.5279, 88.2454



72.2915, 80.6112, 85.0296



14.9239, 16.8844, 16.2823



16.6310, 33.1069, 6.0221



1.3250, 2.6073, 0.5732

Inverse Universe

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



74.2238, 72.6055, 88.7033



86.3375, 83.2277, 103.9838



72.7052, 71.9981, 80.7068



15.6523, 15.2888, 18.7204



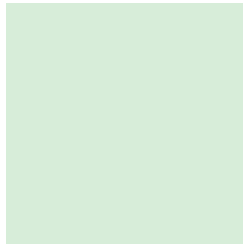
25.8221, 12.5315, 36.4600



2.0450, 0.9909, 2.9541

Previews

White Background



This preview shows how the XYZ color 70.8329, 80.0252, 77.3588 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 70.8329, 80.0252, 77.3588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

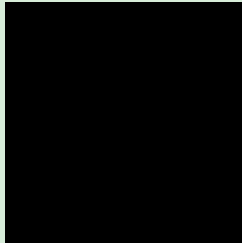
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

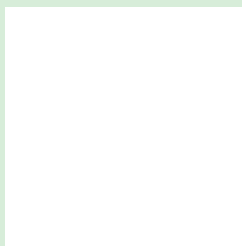
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.8329, 80.0252, 77.3588

Background



This preview shows how black text looks on a background with the XYZ color 70.8329, 80.0252, 77.3588.

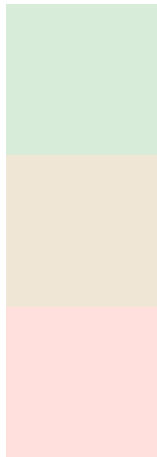


This preview shows how white text looks on a background with the XYZ color 70.8329, 80.0252,

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

70.8329, 80.0252, 77.3588

Protanopia

75.9037, 79.7484, 74.3432

Deuteranopia

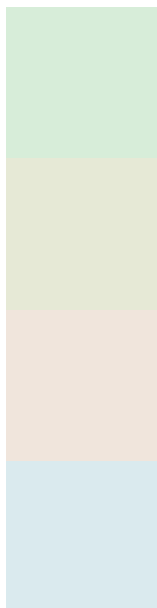
80.9468, 79.7918, 79.5416



Tritanopia

75.6271, 79.8310, 101.8654

Trichromacy



Original Color

70.8329, 80.0252, 77.3588

Protanomaly

73.9096, 79.9559, 75.1559

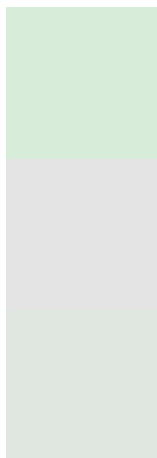
Deuteranomaly

76.8728, 79.7312, 79.0482

Tritanomaly

73.7689, 79.9241, 92.4278

Monochromacy



Original Color

70.8329, 80.0252, 77.3588

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

72.4619, 78.2216, 81.8001

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.8329, 80.0252, 77.3588 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, 237, 217)` looks like.

```
.text, #text, p{  
    color:rgb(215, 237, 217)  
}
```

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, 237, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 237, 217) }
```

Border

The CSS property to change the border of an element to XYZ 70.8329, 80.0252, 77.3588 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, 237, 217) }
```


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

```
.border{ border-color:rgb(215, 237, 217) }
```

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

Here you see how a box with a 4 pixel rgb(215, 237, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 237, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 237, 217);  
box-shadow:4px 4px 4px 4px rgb(215, 237,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 70.8329, 80.0252, 77.3588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 237, 217) }
```

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

```
.background{ background-color: rgb(215,  
237, 217) }
```

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