

Converting Colors

XYZ(70.7533, 78.8932, 68.6256)

Have a look what the booklet for
XYZ(70.7533, 78.8932, 68.6256)
contains.

XYZ(70.7533, 78.8932, 68.6256)	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(70.7533, 78.8932,
68.6256)**

Conversions

Conversions Part 1

Format	Color
Hex	DFEACC
RGB	223, 234, 204
RGB Percent	87%, 92%, 80%
CMY	0.1255, 0.0823, 0.2000
CMYK	0.05, 0.00, 0.13, 0.08
HSL	82°, 42%, 86%
HSV	82°, 13%, 92%
XYZ	70.7533, 78.8932, 68.6256
YIQ	227.2910, 3.0740, -11.6620

Conversions

Conversions Part 2

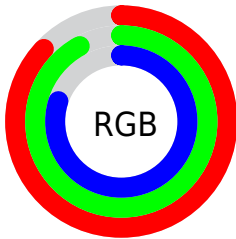
Format	Color
R_{YB}	204, 234, 215
Decimal	14674636
CIE _{Lab}	91.19, -8.86, 13.33
CIE _{LCh}	91, 16.004, 123.621
Yxy	78.8932, 0.3242, 0.3614
Android (android.graphics.Color)	4292864716 (0xFFDFEACC)
YUV	227.2910, -11.4825, -3.7632
Hunter-Lab	88.8218, -13.2495, 16.3666

Details

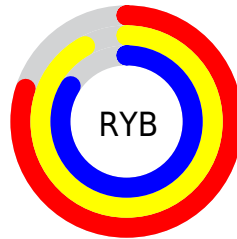
The XYZ color **70.7533, 78.8932, 68.6256** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **64.4716, 63.5755, 86.7193**, and the grayscale version is **73.3067, 77.1243, 83.9884**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.5739, 42.3676, 35.0516** is the 20% darker color. If you saturate the color by 10%, you get **65.5778, 76.5278, 54.8169**, and if you desaturate by 10%, it is **76.4889, 81.5033, 84.6649**.

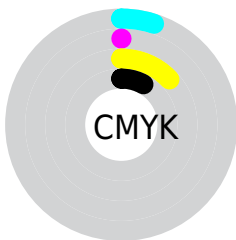
Distribution



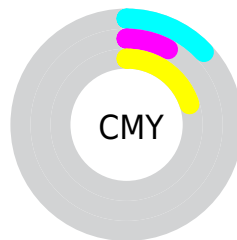
- Red (87%)
- Green (92%)
- Blue (80%)



- Red (80%)
- Yellow (92%)
- Blue (84%)



- Cyan (5%)
- Magenta (0%)
- Yellow (13%)
- Black (8%)



- Cyan (13%)
- Magenta (8%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7533, 78.8932, 68.6256 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 70.7533, 78.8932, 68.6256 by changing the saturation by 10% instead.

70.7533, 78.8932,
68.6256

70.7533, 78.8932,
68.6256

452.4158,
491.1950, 474.3675

52.4227, 58.8080,
49.9370

119.3028,
131.8085, 118.9093

37.5677, 42.4586,
34.9925

150.2524,
165.4074, 151.3415

25.8231, 29.4605,
23.3736

186.1391,
204.2796, 189.1920

16.8233, 19.4295,
14.6617

227.3282,
248.8096, 232.8793

10.2031, 11.9810,
8.4383

274.1851,
299.3818, 282.8220

5.5971, 6.7308,
4.2849

327.0751,

2.6400, 3.2943,

356.3804, 339.4385

1.7829

386.3635,
420.1900, 403.1475

■ 0.9664, 1.2872,
0.4167

■ 0.0000, 0.1313,
0.0000

■ 70.7533, 78.8932,
68.6256

■ 70.7533, 78.8932,
68.6256

■ 65.5778, 76.5278,
54.8169

■ 76.4889, 81.5033,
84.6649

■ 60.9353, 74.3883,
43.1350

■ 82.7976, 84.3558,
103.0225

■ 56.8058, 72.4689,
33.4752

■ 86.4519, 86.1624,
106.6822

■ 53.1652, 70.7600,
25.7222

■ 88.7144, 87.3288,
106.7881

■ 49.9874, 69.2507,
19.7488

■ 47.2432, 67.9291,
15.4125

■ 44.8991, 66.7816,
12.5489

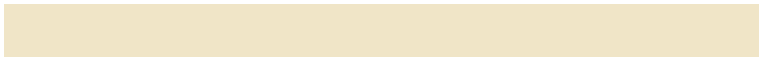
■ 42.9151, 65.7920,
10.9593

■ 41.6695, 65.1613,
10.3812

Harmonies

Analogous

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



74.4946, 78.8932, 65.4986



70.7533, 78.8932, 68.6256



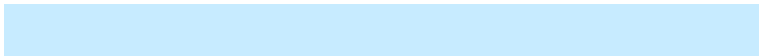
68.2191, 78.8932, 76.3623

Triad

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



70.7533, 78.8932, 68.6256



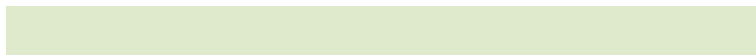
71.5764, 78.8932, 107.4853



83.0343, 78.8932, 84.4997

Complementary

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



70.7533, 78.8932, 68.6256



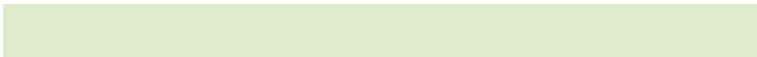
64.4716, 63.5755, 86.7193

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.



82.1854, 78.8932, 96.2033



70.7533, 78.8932, 68.6256



75.4788, 78.8932, 110.1537

Square

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



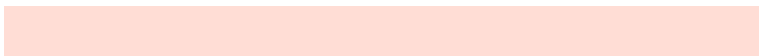
70.7533, 78.8932, 68.6256



68.6821, 78.8932, 98.8598



79.3834, 78.8932, 105.8572



81.6634, 78.8932, 74.1278

Rectangle

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



70.7533, 78.8932, 68.6256



67.5051, 78.8932, 83.4454



79.3834, 78.8932, 105.8572



82.9993, 78.8932, 88.4049

Sweetspot

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



70.7554, 78.8966, 68.6273



92.0879, 98.6577, 100.4155



69.1341, 70.4556, 67.0835



19.5941, 21.0639, 21.1624



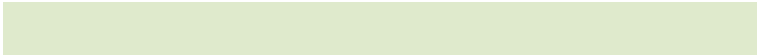
0.0000, 0.0000, 0.0000



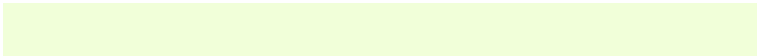
20.3446, 21.4041, 23.3091

Same Dimension

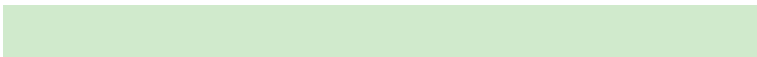
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.7554, 78.8966, 68.6273



84.5176, 95.2124, 79.3986



66.3368, 76.6187, 68.4205



15.7853, 17.3348, 16.0327



23.5578, 36.6890, 5.8401



1.9550, 2.9352, 0.4635

Inverse Universe

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



64.4716, 63.5755, 86.7193



75.6822, 73.6691, 104.8384



69.0801, 65.9513, 86.9350



14.7529, 14.8179, 19.0048



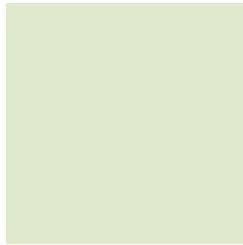
10.6197, 4.5106, 44.0539



0.9366, 0.4071, 3.4641

Previews

White Background



This preview shows how the XYZ color 70.7533, 78.8932, 68.6256 looks on a white background.

Color Contrast Check

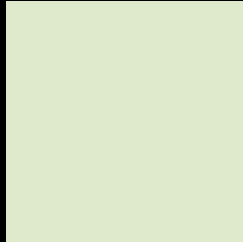
Large Text (above 18pt) WCAG AA × Fail

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 70.7533, 78.8932, 68.6256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

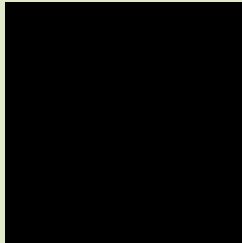
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

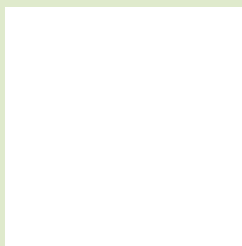
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.7533, 78.8932, 68.6256

Background



This preview shows how black text looks on a background with the XYZ color 70.7533, 78.8932, 68.6256.

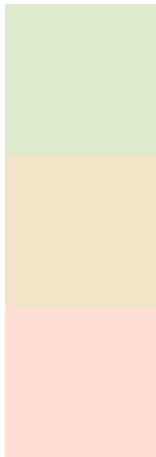


This preview shows how white text looks on a background with the XYZ color 70.7533, 78.8932,

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

70.7533, 78.8932, 68.6256

Protanopia

74.4971, 78.7809, 66.5382

Deuteranopia

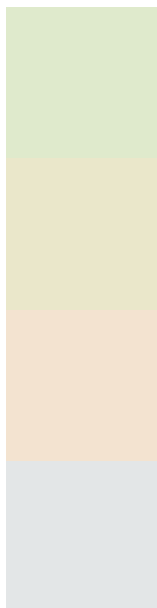
79.3855, 78.7385, 72.6420



Tritanopia

76.6911, 78.7986, 98.3564

Trichromacy



Original Color

70.7533, 78.8932, 68.6256

Protanomaly

73.1683, 78.9085, 67.2516

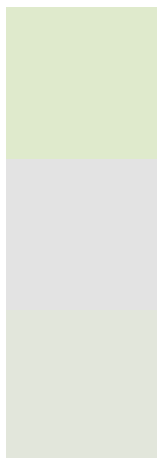
Deuteranomaly

75.8164, 78.5469, 70.8396

Tritanomaly

74.3992, 78.6940, 86.8695

Monochromacy



Original Color

70.7533, 78.8932, 68.6256

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.4470, 77.8769, 78.2312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7533, 78.8932, 68.6256 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(223, 234, 204)` looks like.

```
.text, #text, p{  
    color:rgb(223, 234, 204)  
}
```

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(223, 234, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 234, 204) }
```

Border

The CSS property to change the border of an element to XYZ 70.7533, 78.8932, 68.6256 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(223, 234, 204) }
```


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

```
.border{ border-color:rgb(223, 234, 204) }
```

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

Here you see how a box with a 4 pixel rgb(223, 234, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 234, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 234, 204);  
box-shadow:4px 4px 4px 4px rgb(223, 234,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7533, 78.8932, 68.6256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 234, 204) }
```

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

```
.background{ background-color: rgb(223,  
234, 204) }
```

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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