

Converting Colors

XYZ(70.3203, 77.9714, 68.2687)

Have a look what the booklet for
XYZ(70.3203, 77.9714, 68.2687)
contains.

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Color

**XYZ(70.1871, 77.7608,
68.4368)**

Conversions

Conversions Part 1

Format	Color
Hex	DFE8CC
RGB	223, 232, 204
RGB Percent	87%, 91%, 80%
CMY	0.1255, 0.0902, 0.2000
CMYK	0.04, 0.00, 0.12, 0.09
HSL	79°, 38%, 85%
HSV	79°, 12%, 91%
XYZ	70.1871, 77.7608, 68.4368
YIQ	226.1170, 3.6240, -10.6160

Conversions

Conversions Part 2

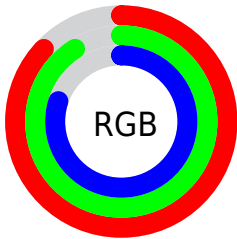
Format	Color
RYB	204, 232, 213
Decimal	14674124
CIELab	90.67, -7.85, 12.60
CIELCh	91, 14.842, 121.939
Yxy	77.7608, 0.3244, 0.3594
Android (android.graphics.Color)	4292864204 (0xFFDFE8CC)
YUV	226.1170, -10.9037, -2.7336
Hunter-Lab	88.1821, -12.2445, 15.7134

Details

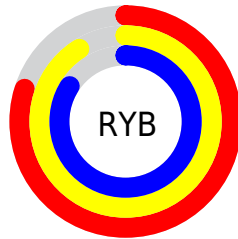
The XYZ color **70.1871, 77.7608, 68.4368** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **63.6019, 63.1601, 85.1870**, and the grayscale version is **72.4497, 76.2227, 83.0065**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.1788, 41.5775, 34.9199** is the 20% darker color. If you saturate the color by 10%, you get **65.3617, 75.5735, 54.7514**, and if you desaturate by 10%, it is **75.5325, 80.1729, 84.3135**.

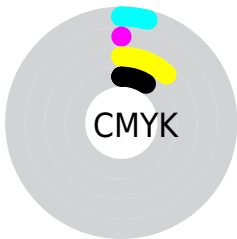
Distribution



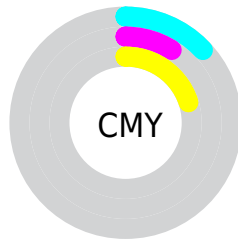
- Red (87%)
- Green (91%)
- Blue (80%)



- Red (80%)
- Yellow (91%)
- Blue (84%)



- Cyan (4%)
- Magenta (0%)
- Yellow (12%)
- Black (9%)



- Cyan (13%)
- Magenta (9%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1871, 77.7608, 68.4368 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 70.1871, 77.7608, 68.4368 by changing the saturation by 10% instead.

70.1871, 77.7608,
68.4368

70.1871, 77.7608,
68.4368

450.4628,
487.3541, 473.6821

51.9592, 57.8775,
49.7843

118.5003,
130.2129, 118.6369

37.1967, 41.7102,
34.8720

149.3164,
163.5504, 151.0216

25.5342, 28.8744,
23.2816

185.0593,
202.1415, 188.8207

16.6064, 18.9858,
14.5943

226.0943,
246.3706, 232.4528

10.0478, 11.6600,
8.3917

272.7868,
296.6220, 282.3365

5.4932, 6.5126,
4.2553

325.5022,

2.5771, 3.1592,

353.2801, 338.8902

1.7664

384.6057,
416.7293, 402.5326

■ 0.9343, 1.2154,
0.4056

■ 0.0000, 0.0742,
0.0000

■ 70.1871, 77.7608,
68.4368

■ 70.1871, 77.7608,
68.4368

■ 65.3617, 75.5735,
54.7514

■ 75.5325, 80.1729,
84.3135

■ 61.0306, 73.5929,
43.1560

■ 81.4101, 82.8072,
102.4667

■ 57.1748, 71.8138,
33.5489

■ 84.6975, 84.4174,
106.4379

■ 53.7718, 70.2270,
25.8177

■ 87.3583, 85.7892,
106.5624

■ 50.7967, 68.8226,
19.8391

■ 88.1482, 86.1963,
106.5994

■ 48.2219, 67.5892,
15.4749

■ 46.0158, 66.5140,
12.5661

■ 44.1407, 65.5818,
10.9215

■ 42.8420, 64.9253,
10.2738

Harmonies

Analogous

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



73.6674, 77.7608, 65.7891



70.1871, 77.7608, 68.4368



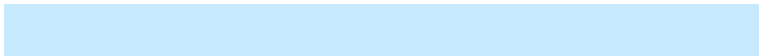
67.7713, 77.7608, 75.3868

Triad

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



70.1871, 77.7608, 68.4368



70.5931, 77.7608, 104.0763



81.2961, 77.7608, 83.9766

Complementary

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



70.1871, 77.7608, 68.4368



63.6019, 63.1601, 85.1870

Split Complementary

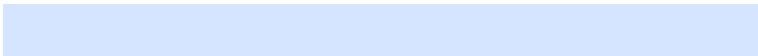
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.4072, 77.7608, 94.6819



70.1871, 77.7608, 68.4368



74.1518, 77.7608, 106.8523

Square

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



70.1871, 77.7608, 68.4368



68.0001, 77.7608, 95.9821



77.7608, 77.7608, 103.2825



80.1513, 77.7608, 74.2804

Rectangle

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



70.1871, 77.7608, 68.4368



67.0465, 77.7608, 81.8262



77.7608, 77.7608, 103.2825



81.2251, 77.7608, 87.5755

Sweetspot

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



70.1892, 77.7642, 68.4385



92.2545, 98.7436, 100.4233



67.9413, 69.0394, 66.8729



19.6363, 21.0857, 21.1644



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.



70.1892, 77.7642, 68.4385



85.7279, 95.7978, 81.1976



66.0904, 75.6512, 68.2467



15.1274, 16.5727, 15.3060



23.9198, 36.1126, 5.7097



1.8635, 2.7180, 0.4264

Inverse Universe

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



63.6019, 63.1601, 85.1870



76.3436, 74.9919, 105.0589



67.7976, 65.3231, 85.3833



14.0170, 14.1110, 18.1292



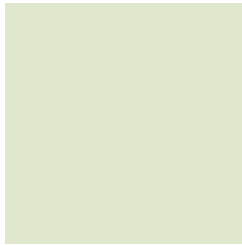
9.7962, 4.1160, 42.6613



0.8181, 0.3527, 3.1569

Previews

White Background



This preview shows how the XYZ color 70.1871, 77.7608, 68.4368 looks on a white background.

Color Contrast Check

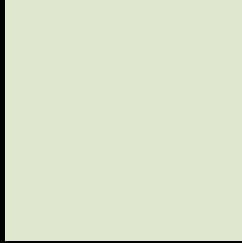
Large Text (above 18pt) WCAG AA × Fail

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 70.1871, 77.7608, 68.4368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

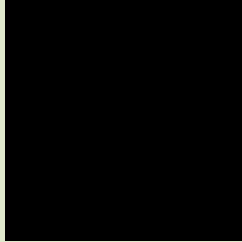
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

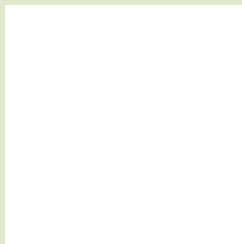
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.1871, 77.7608, 68.4368

Background



This preview shows how black text looks on a background with the XYZ color 70.1871, 77.7608, 68.4368.

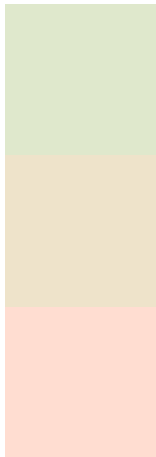


This preview shows how white text looks on a background with the XYZ color 70.1871, 77.7608,

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

70.1871, 77.7608, 68.4368

Protanopia

73.3897, 77.3796, 66.9448

Deuteranopia

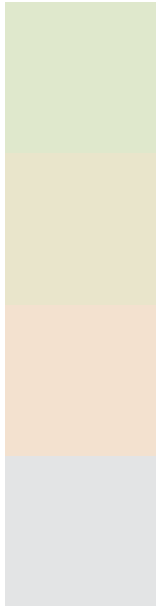
78.6051, 77.5764, 71.1524



Tritanopia

75.8386, 77.5824, 96.5657

Trichromacy



Original Color

70.1871, 77.7608, 68.4368

Protanomaly

72.4031, 77.6741, 67.6765

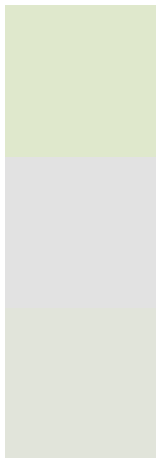
Deuteranomaly

75.1498, 77.4101, 70.0123

Tritanomaly

73.5648, 77.4748, 85.2056

Monochromacy



Original Color

70.1871, 77.7608, 68.4368

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.4496, 76.5563, 77.3407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1871, 77.7608, 68.4368 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, 232, 204)` looks like.

```
.text, #text, p{  
    color:rgb(223, 232, 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, 232, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 232, 204) }
```

Border

The CSS property to change the border of an element to XYZ 70.1871, 77.7608, 68.4368 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, 232, 204) }
```


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

```
.border{ border-color:rgb(223, 232, 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, 232, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(223, 232, 204); -webkit-box-shadow:4px 4px 4px 4px rgb(223, 232, 204); box-shadow:4px 4px 4px 4px rgb(223, 232, 204) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1871, 77.7608, 68.4368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 232, 204) }
```

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

```
.background{ background-color: rgb(223,  
232, 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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