

Converting Colors

XYZ(68.1118, 76.9483, 49.5081)

Have a look what the booklet for
XYZ(68.1118, 76.9483, 49.5081)
contains.

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Color

**XYZ(68.1072, 77.1095,
49.3242)**

Conversions

Conversions Part 1

Format	Color
Hex	E4E8AA
RGB	228, 232, 170
RGB Percent	89%, 91%, 67%
CMY	0.1059, 0.0902, 0.3333
CMYK	0.02, 0.00, 0.27, 0.09
HSL	64°, 57%, 79%
HSV	64°, 27%, 91%
XYZ	68.1072, 77.1095, 49.3242
YIQ	223.7360, 17.5180, -20.1300

Conversions

Conversions Part 2

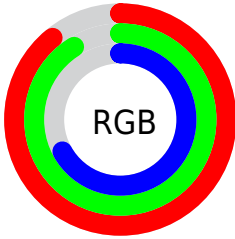
Format	Color
RYB	170, 232, 174
Decimal	15001770
CIELab	90.37, -11.07, 29.80
CIELCh	90, 31.789, 110.386
Yxy	77.1095, 0.3501, 0.3964
Android (android.graphics.Color)	4293191850 (0xFFE4E8AA)
YUV	223.7360, -26.4918, 3.7395
Hunter-Lab	87.8120, -15.2260, 28.1651

Details

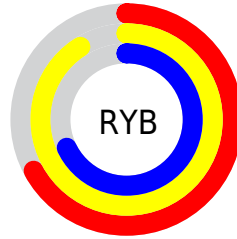
The XYZ color **68.1072, 77.1095, 49.3242** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **46.3988, 43.5764, 82.3139**, and the grayscale version is **70.8391, 74.5283, 81.1613**.

A 20% lighter version of the original color is **90.7275, 98.2710, 86.1379**, and **35.7495, 41.1057, 22.8796** is the 20% darker color. If you saturate the color by 10%, you get **65.6307, 76.0669, 38.7455**, and if you desaturate by 10%, it is **70.9792, 78.3161, 61.9463**.

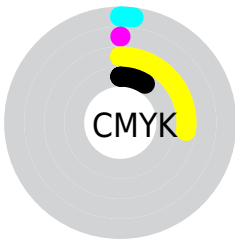
Distribution



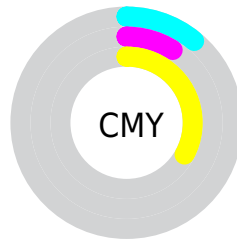
- Red (89%)
- Green (91%)
- Blue (67%)



- Red (67%)
- Yellow (91%)
- Blue (68%)



- Cyan (2%)
- Magenta (0%)
- Yellow (27%)
- Black (9%)



- Cyan (11%)
- Magenta (9%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1072, 77.1095, 49.3242 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 68.1072, 77.1095, 49.3242 by changing the saturation by 10% instead.

68.1072, 77.1095,
49.3242

68.1072, 77.1095,
49.3242

443.2465,
485.1373, 400.6763

50.2589, 57.3427,
34.5093

115.5466,
129.2940, 90.5587

35.8378, 41.2805,
23.0046

145.8684,
162.4806, 117.8155

24.4785, 28.5383,
14.3916

181.0787,
200.9093, 150.0566

15.8156, 18.7318,
8.2517

221.5430,
244.9644, 187.7006

9.4838, 11.4767,
4.1663

267.6266,
295.0303, 231.1660

5.1177, 6.3884,
1.7170

319.6948,

2.3519, 3.0827,

351.4915, 280.8714

0.3724

378.1130,
414.7324, 337.2353

■ 0.8210, 1.1750,
0.0000

■ 0.0000, 0.0412,
0.0000

■ 68.1072, 77.1095,
49.3242

■ 68.1072, 77.1095,
49.3242

■ 65.6307, 76.0669,
38.7455

■ 70.9792, 78.3161,
61.9463

■ 63.5233, 75.1697,
30.0979

■ 74.2595, 79.6839,
76.7061

■ 61.7648, 74.4125,
23.2662

■ 77.9679, 81.2234,
93.6983

■ 60.3306, 73.7856,
18.1205

■ 80.8385, 82.4282,
106.2573

■ 59.1927, 73.2776,
14.5141

■ 81.3327, 82.6830,
106.2805

■ 58.3185, 72.8756,
12.2751

■ 81.8311, 82.9399,
106.3038

■ 57.6665, 72.5630,
11.1849

■ 82.3337, 83.1990,
106.3273

■ 57.4788, 72.4710,
10.9588

■ 82.8404, 83.4602,
106.3510

■ 83.3514, 83.7237,
106.3749

Harmonies

Analogous

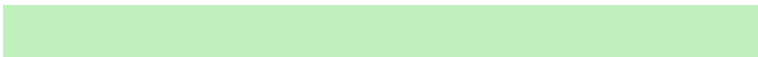
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.8658, 77.1095, 47.8511



68.1072, 77.1095, 49.3242



62.1628, 77.1095, 59.0852

Triad

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



68.1072, 77.1095, 49.3242



63.9937, 77.1095, 122.2827



89.3713, 77.1095, 91.4635

Complementary

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



68.1072, 77.1095, 49.3242



46.3988, 43.5764, 82.3139

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.



85.6723, 77.1095, 114.9861



68.1072, 77.1095, 49.3242



70.7737, 77.1095, 134.7799

Square

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



68.1072, 77.1095, 49.3242



59.9094, 77.1095, 100.1042



78.7298, 77.1095, 131.8924



88.5285, 77.1095, 69.6507

Rectangle

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



68.1072, 77.1095, 49.3242



59.8479, 77.1095, 70.1401



78.7298, 77.1095, 131.8924



88.6083, 77.1095, 99.4836

Sweetspot

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



68.1092, 77.1129, 49.3258



91.4544, 98.5060, 92.4880



55.4997, 49.9856, 44.7543



19.4385, 21.0275, 19.1785



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

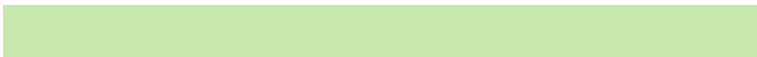
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.1092, 77.1129, 49.3258



82.6687, 94.8265, 53.6846



59.3775, 72.6116, 48.9172



15.5048, 16.7673, 15.3237



31.9497, 40.2522, 6.0855



2.3889, 2.9889, 0.4510

Inverse Universe

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



46.3988, 43.5764, 82.3139



51.5850, 46.8054, 100.9233



53.8719, 47.4289, 82.6637



13.6686, 13.9314, 18.1129



8.2313, 3.3093, 42.5881



0.6388, 0.2603, 3.1485

Previews

White Background



This preview shows how the XYZ color 68.1072, 77.1095, 49.3242 looks on a white background.

Color Contrast Check

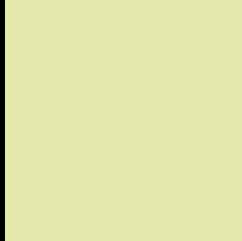
Large Text (above 18pt) WCAG AA × Fail

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 68.1072, 77.1095, 49.3242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

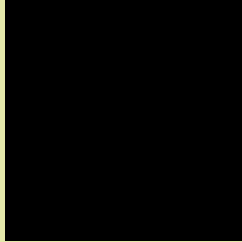
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

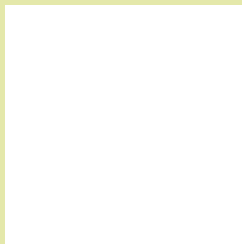
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.1072, 77.1095, 49.3242

Background



This preview shows how black text looks on a background with the XYZ color 68.1072, 77.1095, 49.3242.

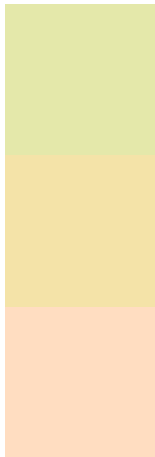


This preview shows how white text looks on a background with the XYZ color 68.1072, 77.1095,

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

68.1072, 77.1095, 49.3242

Protanopia

71.8452, 76.9984, 48.1213

Deuteranopia

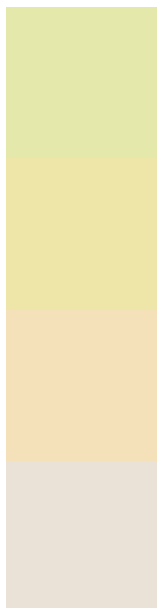
76.7221, 76.8232, 61.2367



Tritanopia

77.0409, 77.0711, 93.2538

Trichromacy



Original Color

68.1072, 77.1095, 49.3242

Protanomaly

70.4406, 77.0803, 48.7015

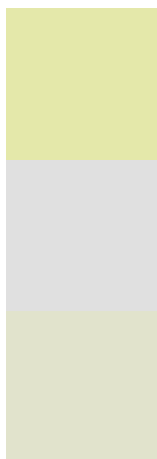
Deuteranomaly

73.3384, 76.7657, 56.8509

Tritanomaly

73.3938, 76.7914, 75.2439

Monochromacy



Original Color

68.1072, 77.1095, 49.3242

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.4195, 75.3054, 68.0033

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1072, 77.1095, 49.3242 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(228, 232, 170)` looks like.

```
.text, #text, p{  
    color:rgb(228, 232, 170)  
}
```

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(228, 232, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 232, 170) }
```

Border

The CSS property to change the border of an element to XYZ 68.1072, 77.1095, 49.3242 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(228, 232, 170) }
```


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

```
.border{ border-color:rgb(228, 232, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 232, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 232, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 232, 170);  
box-shadow:4px 4px 4px 4px rgb(228, 232,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1072, 77.1095, 49.3242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 232, 170) }
```

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

```
.background{ background-color: rgb(228,  
232, 170) }
```

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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