

Converting Colors

XYZ(67.6759, 76.2034, 49.1971)

Have a look what the booklet for
XYZ(67.6759, 76.2034, 49.1971)
contains.

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Color

**XYZ(67.5474, 75.9899,
49.1376)**

Conversions

Conversions Part 1

Format	Color
Hex	E4E6AA
RGB	228, 230, 170
RGB Percent	89%, 90%, 67%
CMY	0.1059, 0.0980, 0.3333
CMYK	0.01, 0.00, 0.26, 0.10
HSL	62°, 55%, 78%
HSV	62°, 26%, 90%
XYZ	67.5474, 75.9899, 49.1376
YIQ	222.5620, 18.0680, -19.0840

Conversions

Conversions Part 2

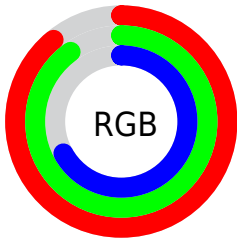
Format	Color
RYB	170, 230, 172
Decimal	15001258
CIELab	89.85, -10.07, 29.10
CIELCh	90, 30.794, 109.093
Yxy	75.9899, 0.3506, 0.3944
Android (android.graphics.Color)	4293191338 (0xFFE4E6AA)
YUV	222.5620, -25.9131, 4.7691
Hunter-Lab	87.1722, -14.2364, 27.5997

Details

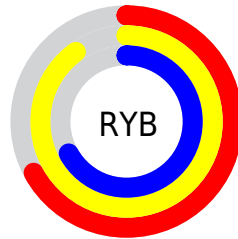
The XYZ color **67.5474, 75.9899, 49.1376** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **45.6738, 43.2353, 80.8052**, and the grayscale version is **69.9991, 73.6445, 80.1989**.

A 20% lighter version of the original color is **90.7275, 98.2710, 86.1379**, and **35.5541, 40.7150, 22.8145** is the 20% darker color. If you saturate the color by 10%, you get **65.3167, 75.0721, 38.6522**, and if you desaturate by 10%, it is **70.1639, 77.0673, 61.6311**.

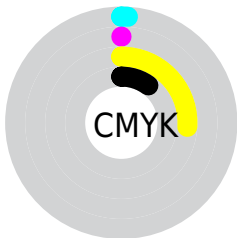
Distribution



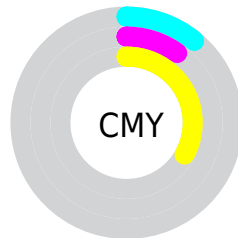
- Red (89%)
- Green (90%)
- Blue (67%)



- Red (67%)
- Yellow (90%)
- Blue (67%)



- Cyan (1%)
- Magenta (0%)
- Yellow (26%)
- Black (10%)



- Cyan (11%)
- Magenta (10%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.5474, 75.9899, 49.1376 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 67.5474, 75.9899, 49.1376 by changing the saturation by 10% instead.

67.5474, 75.9899,
49.1376

67.5474, 75.9899,
49.1376

441.2927,
481.3131, 399.9218

49.8019, 56.4242,
34.3623

114.7499,
127.7126, 90.2789

35.4732, 40.5432,
22.8924

144.9377,
160.6385, 117.4819

24.1958, 27.9623,
14.3095

180.0036,
198.7865, 149.6646

15.6045, 18.2972,
8.1951

220.3130,
242.5411, 187.2455

9.3338, 11.1636,
4.1305

266.2312,
292.2867, 230.6431

5.0184, 6.1770,
1.6972

318.1237,

2.2929, 2.9530,

348.4076, 280.2760

0.3588

376.3557,
411.2883, 336.5627

■ 0.7910, 1.1072,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.5474, 75.9899,
49.1376

■ 67.5474, 75.9899,
49.1376

■ 65.3167, 75.0721,
38.6522

■ 70.1639, 77.0673,
61.6311

■ 63.4459, 74.2958,
30.0657

■ 73.1786, 78.3016,
76.2248

■ 61.9155, 73.6558,
23.2657

■ 76.6107, 79.7029,
93.0108

■ 60.7016, 73.1425,
18.1263

■ 79.3278, 80.8184,
106.0262

■ 59.7770, 72.7450,
14.5049

■ 79.5766, 80.9467,
106.0379

■ 59.1101, 72.4508,
12.2354

■ 79.8265, 81.0755,
106.0496

■ 58.6618, 72.2441,
11.1111

■ 80.0775, 81.2049,
106.0613

■ 58.5201, 72.1768,
10.8472

■ 80.3296, 81.3349,
106.0731

■ 80.5828, 81.4654,
106.0850

Harmonies

Analogous

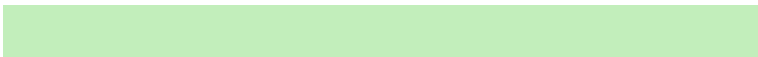
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.0286, 75.9899, 48.0523



67.5474, 75.9899, 49.1376



61.7280, 75.9899, 58.2333

Triad

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



67.5474, 75.9899, 49.1376



63.0670, 75.9899, 118.6011



87.5585, 75.9899, 90.9202

Complementary

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



67.5474, 75.9899, 49.1376



45.6738, 43.2353, 80.8052

Split Complementary

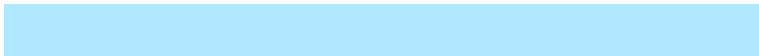
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.8518, 75.9899, 113.3071



67.5474, 75.9899, 49.1376



69.4943, 75.9899, 131.0550

Square

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



67.5474, 75.9899, 49.1376



59.2694, 75.9899, 97.2098



77.1161, 75.9899, 128.9635



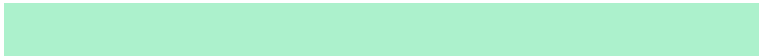
86.9456, 75.9899, 69.7826

Rectangle

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



67.5474, 75.9899, 49.1376



59.4083, 75.9899, 68.6765



77.1161, 75.9899, 128.9635



86.7665, 75.9899, 98.6034

Sweetspot

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



67.5493, 75.9933, 49.1392



91.6872, 98.6260, 92.4989



54.6439, 49.2322, 44.6540



19.4976, 21.0580, 19.1813



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.



67.5493, 75.9933, 49.1392



83.8661, 95.4149, 55.0451



58.8441, 71.5056, 48.7318



15.5515, 16.7914, 15.3259



33.1507, 40.8713, 6.1417



2.4647, 3.0280, 0.4546

Inverse Universe

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



45.6738, 43.2353, 80.8052



52.0618, 47.7863, 101.0875



53.0171, 47.0209, 81.1489



13.6272, 13.9100, 18.1110



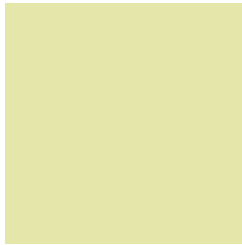
8.1609, 3.2730, 42.5848



0.6189, 0.2500, 3.1476

Previews

White Background



This preview shows how the XYZ color 67.5474, 75.9899, 49.1376 looks on a white background.

Color Contrast Check

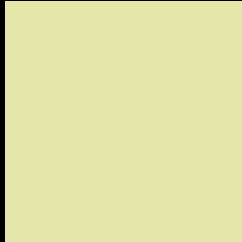
Large Text (above 18pt) WCAG AA × Fail

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 67.5474, 75.9899, 49.1376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

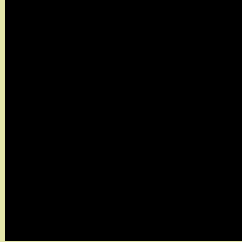
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

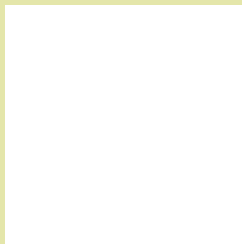
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.5474, 75.9899, 49.1376

Background



This preview shows how black text looks on a background with the XYZ color 67.5474, 75.9899, 49.1376.

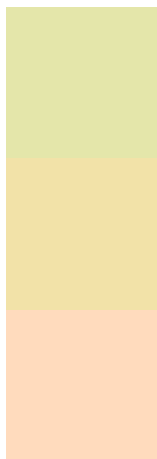


This preview shows how white text looks on a background with the XYZ color 67.5474, 75.9899,

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

67.5474, 75.9899, 49.1376

Protanopia

70.8822, 76.0971, 47.9981

Deuteranopia

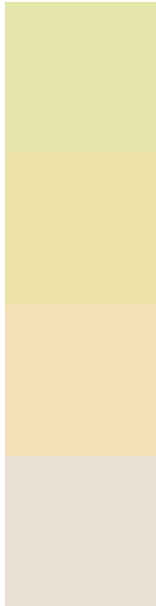
75.7568, 75.5972, 58.7430



Tritanopia

76.2141, 75.8905, 91.5203

Trichromacy



Original Color

67.5474, 75.9899, 49.1376

Protanomaly

69.5556, 75.8073, 48.5024

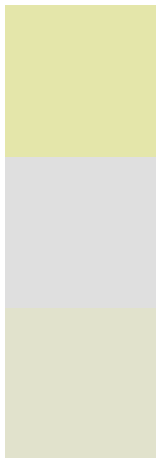
Deuteranomaly

72.4874, 75.5652, 55.0210

Tritanomaly

72.5976, 75.6078, 73.7183

Monochromacy



Original Color

67.5474, 75.9899, 49.1376

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.1468, 74.7599, 67.9124

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.5474, 75.9899, 49.1376 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, 230, 170)` looks like.

```
.text, #text, p{  
    color:rgb(228, 230, 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, 230, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 230, 170) }
```

Border

The CSS property to change the border of an element to XYZ 67.5474, 75.9899, 49.1376 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, 230, 170) }
```


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

```
.border{ border-color:rgb(228, 230, 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, 230, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 230, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 230, 170);  
box-shadow:4px 4px 4px 4px rgb(228, 230,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 67.5474, 75.9899, 49.1376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 230, 170) }
```

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

```
.background{ background-color: rgb(228,  
230, 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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