

Converting Colors

XYZ(69.6902, 78.3441, 46.3839)

Have a look what the booklet for
XYZ(69.6902, 78.3441, 46.3839)
contains.

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Color

**XYZ(69.7714, 78.4506,
46.5871)**

Conversions

Conversions Part 1

Format	Color
Hex	EAE9A4
RGB	234, 233, 164
RGB Percent	92%, 91%, 64%
CMY	0.0824, 0.0863, 0.3569
CMYK	0.00, 0.00, 0.30, 0.08
HSL	59°, 62%, 78%
HSV	59°, 30%, 92%
XYZ	69.7714, 78.4506, 46.5871
YIQ	225.4330, 22.7450, -21.2470

Conversions

Conversions Part 2

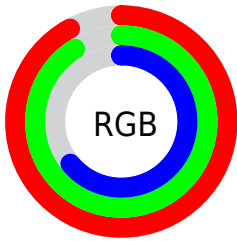
Format	Color
R _Y B	165, 234, 164
Decimal	15395236
CIE Lab	90.99, -10.10, 33.75
CIE LCh	91, 35.230, 106.662
Yxy	78.4506, 0.3582, 0.4027
Android (android.graphics.Color)	4293585316 (0xFFEAE9A4)
YUV	225.4330, -30.2865, 7.5133
Hunter-Lab	88.5723, -14.3912, 30.8154

Details

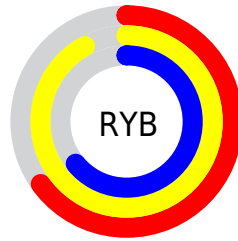
The XYZ color **69.7714, 78.4506, 46.5871** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **43.6161, 40.7422, 83.4071**, and the grayscale version is **72.0812, 75.8350, 82.5844**.

A 20% lighter version of the original color is **89.7862, 97.8945, 81.1811**, and **36.7228, 41.9391, 21.1985** is the 20% darker color. If you saturate the color by 10%, you get **67.7565, 77.4970, 36.4317**, and if you desaturate by 10%, it is **72.1793, 79.5671, 58.7936**.

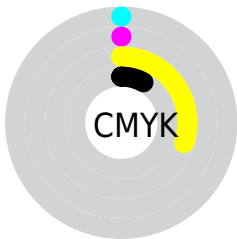
Distribution



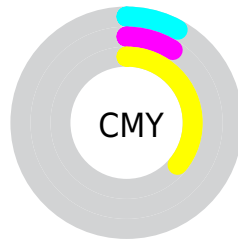
- Red (92%)
- Green (91%)
- Blue (64%)



- Red (65%)
- Yellow (92%)
- Blue (64%)



- Cyan (0%)
- Magenta (0%)
- Yellow (30%)
- Black (8%)



- Cyan (8%)
- Magenta (9%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7714, 78.4506, 46.5871 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 69.7714, 78.4506, 46.5871 by changing the saturation by 10% instead.

69.7714, 78.4506,
46.5871

69.7714, 78.4506,
46.5871

449.0259,
489.6958, 389.5099

51.6191, 58.4442,
32.3574

117.9107,
131.1851, 86.4405

36.9246, 42.1659,
21.3675

148.6285,
164.6821, 112.9012

25.3225, 29.2312,
13.1991

184.2655,
203.4446, 144.2760

16.4475, 19.2558,
7.4334

225.1870,
247.8572, 180.9834

9.9342, 11.8552,
3.6521

271.7585,
298.3042, 223.4419

5.4173, 6.6452,
1.4365

324.3452,

2.5314, 3.2412,

355.1701, 272.0702

0.1699

383.3126,
418.8391, 327.2867

■ 0.9111, 1.2589,
0.0000

■ 0.0000, 0.1091,
0.0000

■ 69.7714, 78.4506,
46.5871

■ 69.7714, 78.4506,
46.5871

■ 67.7565, 77.4970,
36.4317

■ 72.1793, 79.5671,
58.7936

■ 66.1074, 76.6873,
28.2099

■ 74.9939, 80.8439,
73.1500

■ 64.8024, 76.0155,
21.8002

■ 78.2357, 82.2919,
89.7548

■ 63.8157, 75.4713,
17.0651

■ 81.5000, 83.7491,
106.4774

63.1173, 75.0427,
13.8476

81.5949, 83.9388,
106.5090

62.6719, 74.7156,
11.9610

81.6899, 84.1289,
106.5407

62.4193, 74.4659,
11.0893

81.7852, 84.3194,
106.5725

62.4174, 74.4638,
11.0832

81.8806, 84.5102,
106.6043

81.9762, 84.7013,
106.6361

Harmonies

Analogous

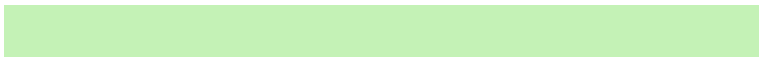
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.5772, 78.4506, 46.0982



69.7714, 78.4506, 46.5871



62.8132, 78.4506, 56.0402

Triad

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



69.7714, 78.4506, 46.5871



63.4406, 78.4506, 126.1908



92.4603, 78.4506, 97.2149

Complementary

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



69.7714, 78.4506, 46.5871



43.6161, 40.7422, 83.4071

Split Complementary

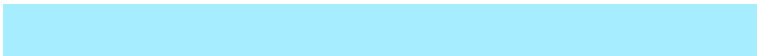
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.6980, 78.4506, 123.6043



69.7714, 78.4506, 46.5871



70.6916, 78.4506, 142.4412

Square

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



69.7714, 78.4506, 46.5871



59.3619, 78.4506, 100.2354



79.5732, 78.4506, 141.4102



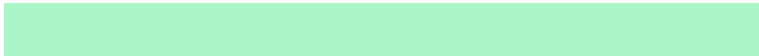
92.1645, 78.4506, 72.1403

Rectangle

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



69.7714, 78.4506, 46.5871



59.9485, 78.4506, 67.4604



79.5732, 78.4506, 141.4102



91.3828, 78.4506, 106.3123

Sweetspot

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



69.7734, 78.4541, 46.5888



91.4687, 98.4013, 90.5536



54.0145, 46.7669, 41.8580



19.4628, 21.0101, 18.7929



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.



69.7734, 78.4541, 46.5888



83.2144, 94.6026, 48.6186



59.9881, 73.8286, 46.2117



16.3326, 17.5881, 16.0527



35.0837, 41.8616, 6.2310



2.7608, 3.2989, 0.4912

Inverse Universe

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



43.6161, 40.7422, 83.4071



46.5610, 41.7592, 100.2140



51.3723, 44.4755, 83.7190



14.2484, 14.5832, 18.9861



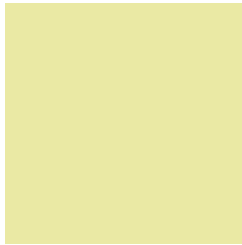
8.3735, 3.3941, 43.9567



0.6636, 0.2786, 3.4537

Previews

White Background



This preview shows how the XYZ color 69.7714, 78.4506, 46.5871 looks on a white background.

Color Contrast Check

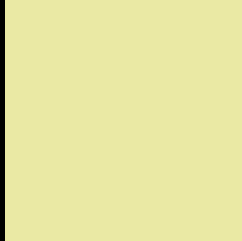
Large Text (above 18pt) WCAG AA × Fail

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 69.7714, 78.4506, 46.5871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

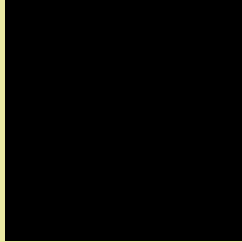
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.7714, 78.4506, 46.5871

Background



This preview shows how black text looks on a background with the XYZ color 69.7714, 78.4506, 46.5871.



This preview shows how white text looks on a background with the XYZ color 69.7714, 78.4506,

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

69.7714, 78.4506, 46.5871

Protanopia

72.8987, 78.4214, 45.4771

Deuteranopia

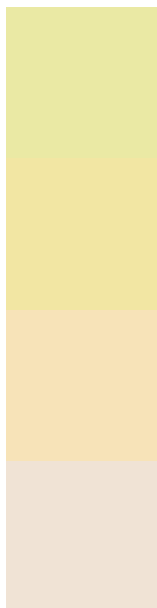
77.4780, 77.9755, 62.5970



Tritanopia

79.2270, 78.1809, 94.1338

Trichromacy



Original Color

69.7714, 78.4506, 46.5871

Protanomaly

71.5256, 78.1152, 45.9583

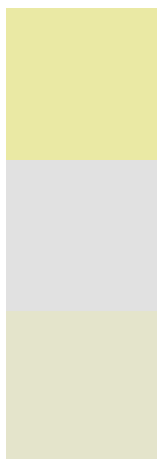
Deuteranomaly

74.4786, 78.1730, 56.5109

Tritanomaly

75.4145, 78.2675, 74.0832

Monochromacy



Original Color

69.7714, 78.4506, 46.5871

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.5178, 76.2926, 67.5092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7714, 78.4506, 46.5871 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(234, 233, 164)` looks like.

```
.text, #text, p{  
    color:rgb(234, 233, 164)  
}
```

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(234, 233, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 233, 164) }
```

Border

The CSS property to change the border of an element to XYZ 69.7714, 78.4506, 46.5871 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(234, 233, 164) }
```


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

```
.border{ border-color:rgb(234, 233, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 233, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 233, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 233, 164);  
box-shadow:4px 4px 4px 4px rgb(234, 233,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7714, 78.4506, 46.5871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 233, 164) }
```

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

```
.background{ background-color: rgb(234,  
233, 164) }
```

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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