

Converting Colors

XYZ(70.2972, 84.4978, 44.1322)

Have a look what the booklet for
XYZ(70.2972, 84.4978, 44.1322)
contains.

XYZ(70.3205, 84.4806, 44.0526)	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(70.3205, 84.4806,
44.0526)**

Conversions

Conversions Part 1

Format	Color
Hex	E2F69C
RGB	226, 246, 156
RGB Percent	89%, 96%, 61%
CMY	0.1137, 0.0353, 0.3882
CMYK	0.08, 0.00, 0.37, 0.04
HSL	73°, 83%, 79%
HSV	73°, 37%, 96%
XYZ	70.3205, 84.4806, 44.0526
YIQ	229.7600, 16.9700, -32.2300

Conversions

Conversions Part 2

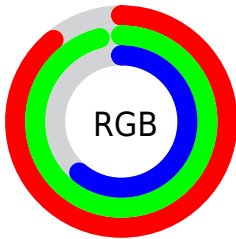
Format	Color
RYB	156, 246, 176
Decimal	14874268
CIELab	93.66, -20.45, 41.14
CIElCh	94, 45.945, 116.424
Yxy	84.4806, 0.3536, 0.4248
Android (android.graphics.Color)	4293064348 (0xFFE2F69C)
YUV	229.7600, -36.3637, -3.2975
Hunter-Lab	91.9133, -24.2826, 35.9226

Details

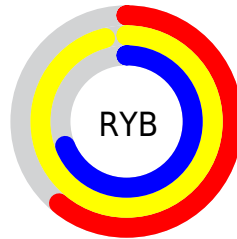
The XYZ color **70.3205, 84.4806, 44.0526** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **46.4309, 39.6632, 92.4023**, and the grayscale version is **75.2897, 79.2107, 86.2604**.

A 20% lighter version of the original color is **88.7579, 97.4831, 75.7661**, and **37.4392, 46.3522, 19.8056** is the 20% darker color. If you saturate the color by 10%, you get **66.7580, 82.8636, 34.0916**, and if you desaturate by 10%, it is **74.3638, 86.3021, 56.2415**.

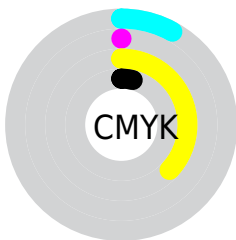
Distribution



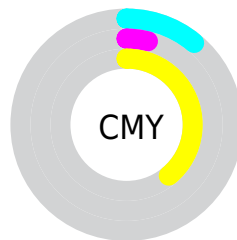
- Red (89%)
- Green (96%)
- Blue (61%)



- Red (61%)
- Yellow (96%)
- Blue (69%)



- Cyan (8%)
- Magenta (0%)
- Yellow (37%)
- Black (4%)





- Cyan (11%)
- Magenta (4%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.3205, 84.4806, 44.0526 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 70.3205, 84.4806, 44.0526 by changing the saturation by 10% instead.


 70.3205, 84.4806,
44.0526

 70.3205, 84.4806,
44.0526


450.9234,
509.9078, 378.9705

 52.0684, 63.4123,
30.3744


 118.6895,
139.6473, 82.6002

 37.2841, 46.1748,
19.8685


 149.5371,
174.5144, 108.3067

 25.6022, 32.3838,
12.1163


185.3139,
214.7500, 138.8596

 16.6574, 21.6548,
6.6995

226.3852,
260.7384, 174.6776

 10.0843, 13.6035,
3.1993

273.1165,
312.8639, 216.1791

 5.5176, 7.8454,
1.1973

325.8731,

 2.5919, 3.9962,

371.5111, 263.7827

0.0000

385.0202,
437.0643, 317.9070

0.9418, 1.6714,
0.0000

0.0000, 0.4051,
0.0000

70.3205, 84.4806,
44.0526

70.3205, 84.4806,
44.0526

66.7580, 82.8636,
34.0916

74.3638, 86.3021,
56.2415

63.6440, 81.4293,
26.2182

78.9055, 88.3265,
70.7767

60.9515, 80.1698,
20.2846

83.9701, 90.5664,
87.7744

58.6478, 79.0720,
16.1212

89.5784, 93.0302,
107.3418

■ 56.6948, 78.1205,
13.5295

■ 91.6400, 94.0820,
107.9374

■ 55.0445, 77.2961,
12.2597

■ 92.2476, 94.3952,
107.9659

■ 54.5249, 77.0336,
11.9952

Harmonies

Analogous

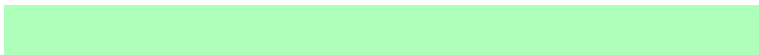
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.7656, 84.4806, 39.9766



70.3205, 84.4806, 44.0526



62.3251, 84.4806, 59.6594

Triad

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



70.3205, 84.4806, 44.0526



68.0304, 84.4806, 159.9307



106.0063, 84.4806, 96.2312

Complementary

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



70.3205, 84.4806, 44.0526



46.4309, 39.6632, 92.4023

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.



101.4272, 84.4806, 134.2789



70.3205, 84.4806, 44.0526



78.8447, 84.4806, 176.4584

Square

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



70.3205, 84.4806, 44.0526



61.0998, 84.4806, 125.1706



91.1735, 84.4806, 166.0549



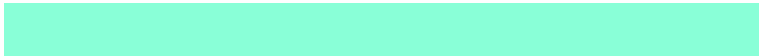
103.1433, 84.4806, 65.2537

Rectangle

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



70.3205, 84.4806, 44.0526



59.6183, 84.4806, 77.1248



91.1735, 84.4806, 166.0549



105.2755, 84.4806, 108.6410

Sweetspot

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



70.3226, 84.4844, 44.0544



88.6014, 97.1599, 86.7208



59.4373, 52.8506, 38.5222



18.8048, 20.7256, 18.0266



0.0000, 0.0000, 0.0000



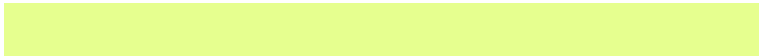
20.3446, 21.4041, 23.3091

Same Dimension

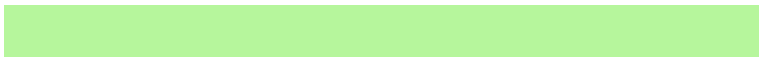
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.3226, 84.4844, 44.0544



73.3552, 90.3300, 39.4764



58.1330, 78.2004, 43.4839



17.5333, 19.1170, 17.5634



29.2275, 41.1801, 6.4081



2.6554, 3.6640, 0.5673

Inverse Universe

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



46.4309, 39.6632, 92.4023



43.9356, 35.1012, 99.0673



58.1927, 45.7266, 92.9527



15.9256, 16.1043, 20.8116



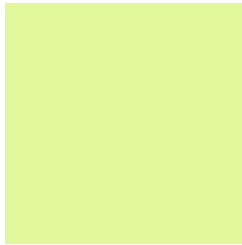
9.8085, 4.0308, 46.7991



0.9469, 0.3980, 4.1172

Previews

White Background



This preview shows how the XYZ color 70.3205, 84.4806, 44.0526 looks on a white background.

Color Contrast Check

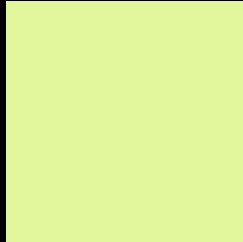
Large Text (above 18pt) WCAG AA × Fail

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 70.3205, 84.4806, 44.0526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

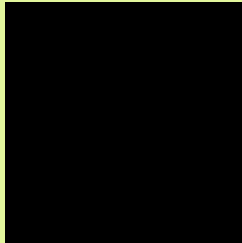
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.3205, 84.4806, 44.0526

Background



This preview shows how black text looks on a background with the XYZ color 70.3205, 84.4806, 44.0526.

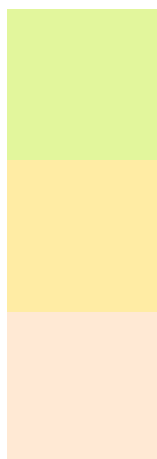


This preview shows how white text looks on a background with the XYZ color 70.3205, 84.4806,

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

70.3205, 84.4806, 44.0526

Protanopia

77.9363, 83.9312, 47.2146

Deuteranopia

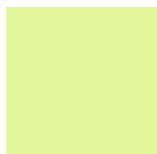
82.2626, 84.2913, 74.2215



Tritanopia

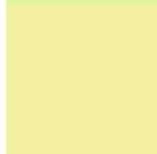
82.4123, 84.1146, 104.8207

Trichromacy



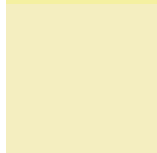
Original Color

70.3205, 84.4806, 44.0526



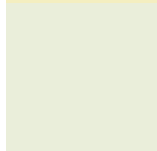
Protanomaly

74.9013, 84.1265, 46.0085



Deuteranomaly

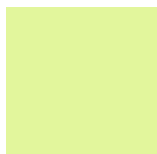
77.3972, 84.1879, 62.0398



Tritanomaly

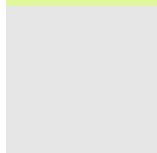
77.1611, 83.7035, 78.4192

Monochromacy



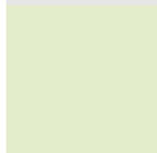
Original Color

70.3205, 84.4806, 44.0526



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

73.0880, 80.9607, 68.2747

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.3205, 84.4806, 44.0526 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(226, 246, 156)` looks like.

```
.text, #text, p{  
    color:rgb(226, 246, 156)  
}
```

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(226, 246, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 246, 156) }
```

Border

The CSS property to change the border of an element to XYZ 70.3205, 84.4806, 44.0526 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(226, 246, 156) }
```


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

```
.border{ border-color:rgb(226, 246, 156) }
```

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

Here you see how a box with a 4 pixel rgb(226, 246, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 246, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 246, 156);  
box-shadow:4px 4px 4px 4px rgb(226, 246,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 70.3205, 84.4806, 44.0526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 246, 156) }
```

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

```
.background{ background-color: rgb(226,  
246, 156) }
```

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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