

Converting Colors

XYZ(74.2947, 85.1002, 47.9652)

Have a look what the booklet for
XYZ(74.2947, 85.1002, 47.9652)
contains.

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Color

**XYZ(74.4387, 85.1685,
48.1131)**

Conversions

Conversions Part 1

Format	Color
Hex	EFF3A5
RGB	239, 243, 165
RGB Percent	94%, 95%, 65%
CMY	0.0627, 0.0470, 0.3529
CMYK	0.02, 0.00, 0.32, 0.05
HSL	63°, 76%, 80%
HSV	63°, 32%, 95%
XYZ	74.4387, 85.1685, 48.1131
YIQ	232.9120, 22.6540, -25.1060

Conversions

Conversions Part 2

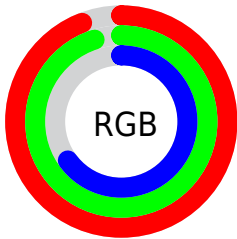
Format	Color
RYB	165, 243, 169
Decimal	15725477
CIELab	93.96, -13.06, 37.24
CIELCh	94, 39.469, 109.330
Yxy	85.1685, 0.3584, 0.4100
Android (android.graphics.Color)	4293915557 (0xFFEFF3A5)
YUV	232.9120, -33.4806, 5.3392
Hunter-Lab	92.2868, -17.5234, 33.6903

Details

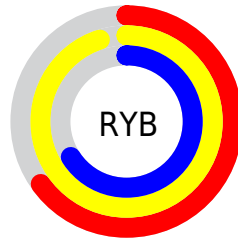
The XYZ color **74.4387, 85.1685, 48.1131** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.9981, 41.8185, 90.4463**, and the grayscale version is **77.6198, 81.6621, 88.9300**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **39.9864, 46.6556, 22.2272** is the 20% darker color. If you saturate the color by 10%, you get **72.0147, 84.1534, 37.5308**, and if you desaturate by 10%, it is **77.2902, 86.3609, 60.9124**.

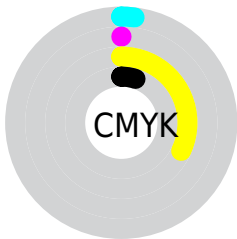
Distribution



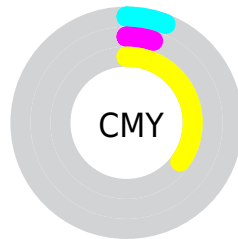
- Red (94%)
- Green (95%)
- Blue (65%)



- Red (65%)
- Yellow (95%)
- Blue (66%)



- Cyan (2%)
- Magenta (0%)
- Yellow (32%)
- Black (5%)




- Cyan (6%)
- Magenta (5%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.4387, 85.1685, 48.1131 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 74.4387, 85.1685, 48.1131 by changing the saturation by 10% instead.


 74.4387, 85.1685,
48.1131


 74.4387, 85.1685,
48.1131

465.0130,
512.1855, 395.7619

 55.4457, 63.9806,
33.5558


 124.5097,
140.6086, 88.7401

 39.9940, 46.6350,
22.2780


 156.3184,
175.6295, 115.6469

 27.7180, 32.7472,
13.8610


193.1297,
216.0303, 147.5072

 18.2526, 21.9328,
7.8864

235.3090,
262.1954, 184.7398

 11.2323, 13.8076,
3.9356

283.2216,
314.5090, 227.7629

 6.2917, 7.9869,
1.5901

337.2329,

 3.0656, 4.0866,

373.3556, 276.9953

0.2837

397.7083,
439.1196, 332.8555

■ 1.1886, 1.7221,
0.0000

■ 0.0973, 0.4379,
0.0000

■ 74.4387, 85.1685,
48.1131

■ 74.4387, 85.1685,
48.1131

■ 72.0147, 84.1534,
37.5308

■ 77.2902, 86.3609,
60.9124

■ 69.9879, 83.2945,
29.0343


■ 80.5847, 87.7279,
76.0391


■ 68.3342, 82.5851,
22.4872


■ 84.3449, 89.2815,
93.6028


■ 67.0241, 82.0136,
17.7345


■ 87.4080, 90.5566,
107.4800


 66.0237, 81.5663,
14.5979


 87.8425, 90.7806,
107.5004


 65.2922, 81.2269,
12.8621

 88.2800, 91.0061,
107.5208

 64.8547, 81.0151,
12.2193

 88.7204, 91.2332,
107.5414

 89.1637, 91.4617,
107.5622

 89.6100, 91.6918,
107.5831

Harmonies

Analogous

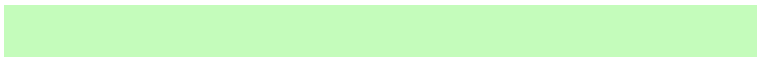
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.7528, 85.1685, 46.6664



74.4387, 85.1685, 48.1131



66.5592, 85.1685, 59.8770

Triad

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



74.4387, 85.1685, 48.1131



68.4723, 85.1685, 143.9672



102.4953, 85.1685, 103.8771

Complementary

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



74.4387, 85.1685, 48.1131



45.9981, 41.8185, 90.4463

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.



97.2788, 85.1685, 135.8342



74.4387, 85.1685, 48.1131



77.2629, 85.1685, 162.0923

Square

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



74.4387, 85.1685, 48.1131



63.3265, 85.1685, 113.2574



87.8306, 85.1685, 158.8300



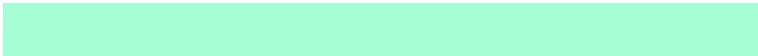
101.5731, 85.1685, 74.8531

Rectangle

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



74.4387, 85.1685, 48.1131



63.4640, 85.1685, 73.7545



87.8306, 85.1685, 158.8300



101.3850, 85.1685, 114.7187

Sweetspot

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



74.4408, 85.1723, 48.1149



90.7326, 98.2176, 88.6711



57.9259, 50.1122, 42.2180



19.2998, 20.9726, 18.4186



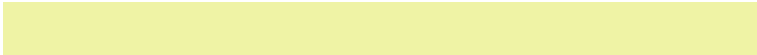
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

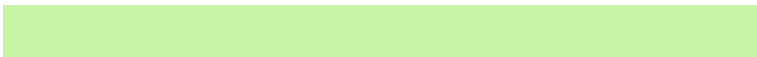
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.4408, 85.1723, 48.1149



81.1086, 94.2092, 45.1624



62.6914, 79.1153, 47.5650



17.8257, 19.2677, 17.5771



35.6287, 44.4801, 6.7077



3.1568, 3.9224, 0.5907

Inverse Universe

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



45.9981, 41.8185, 90.4463



44.4921, 38.3877, 99.6723



55.6197, 46.7786, 90.8966



15.6599, 15.9673, 20.7992



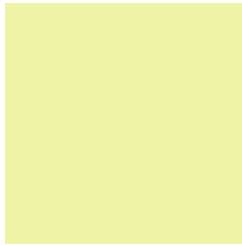
8.9986, 3.6132, 46.7612



0.8181, 0.3316, 4.1111

Previews

White Background



This preview shows how the XYZ color 74.4387, 85.1685, 48.1131 looks on a white background.

Color Contrast Check

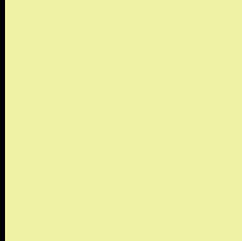
Large Text (above 18pt) WCAG AA × Fail

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 74.4387, 85.1685, 48.1131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

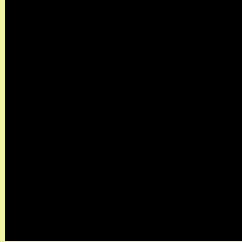
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 74.4387, 85.1685, 48.1131

Background



This preview shows how black text looks on a background with the XYZ color 74.4387, 85.1685, 48.1131.

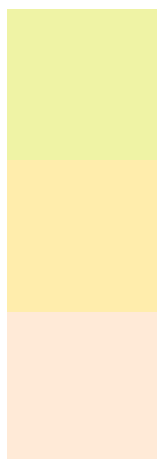


This preview shows how white text looks on a background with the XYZ color 74.4387, 85.1685,

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

74.4387, 85.1685, 48.1131

Protanopia

78.9706, 84.8069, 51.2369

Deuteranopia

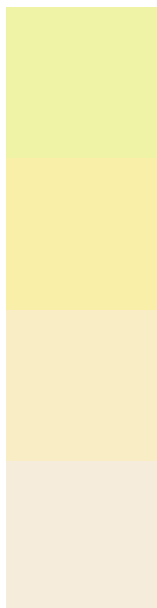
82.9286, 85.0119, 76.3281



Tritanopia

85.5363, 84.9393, 102.3292

Trichromacy



Original Color

74.4387, 85.1685, 48.1131

Protanomaly

77.0949, 84.7373, 49.8287

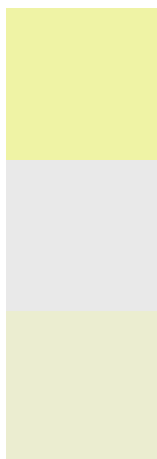
Deuteranomaly

79.4292, 84.7393, 64.9933

Tritanomaly

80.7877, 84.6982, 79.1083

Monochromacy



Original Color

74.4387, 85.1685, 48.1131

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

75.9303, 82.7846, 71.6516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.4387, 85.1685, 48.1131 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(239, 243, 165)` looks like.

```
.text, #text, p{  
    color:rgb(239, 243, 165)  
}
```

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(239, 243, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 243, 165) }
```

Border

The CSS property to change the border of an element to XYZ 74.4387, 85.1685, 48.1131 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(239, 243, 165) }
```


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

```
.border{ border-color:rgb(239, 243, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 243, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 243, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 243, 165);  
box-shadow:4px 4px 4px 4px rgb(239, 243,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 74.4387, 85.1685, 48.1131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 243, 165) }
```

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

```
.background{ background-color: rgb(239,  
243, 165) }
```

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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