

Converting Colors

XYZ(73.8766, 85.4584, 47.8388)

Have a look what the booklet for
XYZ(73.8766, 85.4584, 47.8388)
contains.

XYZ(73.6436, 85.2146, 47.6886)	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(73.6436, 85.2146,
47.6886)**

Conversions

Conversions Part 1

Format	Color
Hex	ECF4A4
RGB	236, 244, 164
RGB Percent	93%, 96%, 64%
CMY	0.0745, 0.0431, 0.3569
CMYK	0.03, 0.00, 0.33, 0.04
HSL	66°, 78%, 80%
HSV	66°, 33%, 96%
XYZ	73.6436, 85.2146, 47.6886
YIQ	232.4880, 20.9120, -26.5760

Conversions

Conversions Part 2

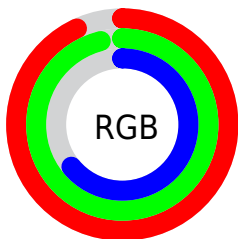
Format	Color
RYB	164, 244, 172
Decimal	15529124
CIELab	93.98, -14.80, 37.73
CIELCh	94, 40.526, 111.415
Yxy	85.2146, 0.3565, 0.4126
Android (android.graphics.Color)	4293719204 (0xFFECEF4A4)
YUV	232.4880, -33.7646, 3.0800
Hunter-Lab	92.3118, -19.1435, 33.9888

Details

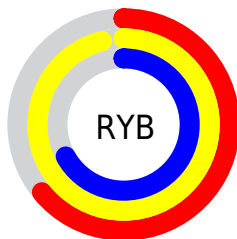
The XYZ color **73.6436, 85.2146, 47.6886** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **46.6211, 41.8555, 91.2146**, and the grayscale version is **77.3038, 81.3296, 88.5679**.

A 20% lighter version of the original color is **89.9183, 97.9473, 81.8767**, and **39.4429, 46.6978, 21.9737** is the 20% darker color. If you saturate the color by 10%, you get **70.8437, 84.0046, 37.1380**, and if you desaturate by 10%, it is **76.8817, 86.6071, 60.4699**.

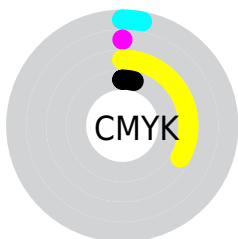
Distribution



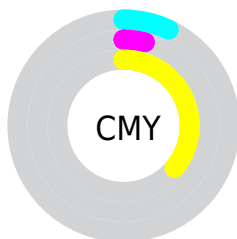
- Red (93%)
- Green (96%)
- Blue (64%)



- Red (64%)
- Yellow (96%)
- Blue (67%)



- Cyan (3%)
- Magenta (0%)
- Yellow (33%)
- Black (4%)





- Cyan (7%)
- Magenta (4%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.6436, 85.2146, 47.6886 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 73.6436, 85.2146, 47.6886 by changing the saturation by 10% instead.


 73.6436, 85.2146,
47.6886


 73.6436, 85.2146,
47.6886


462.3117,
512.3379, 394.0295

 54.7926, 64.0187,
33.2221


 123.3887,
140.6730, 88.1013

 39.4689, 46.6658,
22.0241


 155.0135,
175.7042, 114.8846

 27.3071, 32.7716,
13.6762


191.6270,
216.1161, 146.6106

 17.9418, 21.9515,
7.7596


233.5945,
262.2929, 183.6977

 11.0076, 13.8213,
3.8560

281.2813,
314.6191, 226.5647

 6.1393, 7.9965,
1.5467

335.0529,

 2.9714, 4.0927,

373.4791, 275.6300

0.2523

395.2746,
439.2572, 331.3120

■ 1.1387, 1.7255,
0.0000

■ 0.0571, 0.4401,
0.0000

■ 73.6436, 85.2146,
47.6886

■ 73.6436, 85.2146,
47.6886

■ 70.8437, 84.0046,
37.1380

■ 76.8817, 86.6071,
60.4699

■ 68.4513, 82.9559,
28.6848


■ 80.5738, 88.1796,
75.5939


■ 66.4417, 82.0616,
22.1901


■ 84.7431, 89.9441,
93.1719


■ 64.7849, 81.3096,
17.4961


■ 88.3270, 91.4759,
107.6090

 63.4462, 80.6862,
14.4205


 89.1881, 91.9198,
107.6493

 62.3838, 80.1745,
12.7425

 90.0606, 92.3696,
107.6901

 61.7433, 79.8566,
12.1596

 90.9443, 92.8252,
107.7315

 91.6426, 93.1851,
107.7642

Harmonies

Analogous

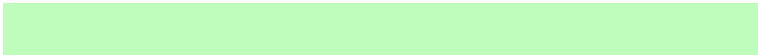
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.1346, 85.2146, 45.5148



73.6436, 85.2146, 47.6886



65.8170, 85.2146, 60.4065

Triad

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



73.6436, 85.2146, 47.6886



68.7169, 85.2146, 147.4903



103.3194, 85.2146, 101.9514

Complementary

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



73.6436, 85.2146, 47.6886



46.6211, 41.8555, 91.2146

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.



98.3411, 85.2146, 135.0536



73.6436, 85.2146, 47.6886



77.9324, 85.2146, 164.9174

Square

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



73.6436, 85.2146, 47.6886



63.1535, 85.2146, 116.2452



88.8177, 85.2146, 159.9201



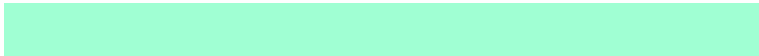
101.9127, 85.2146, 72.7135

Rectangle

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



73.6436, 85.2146, 47.6886



62.8567, 85.2146, 75.0856



88.8177, 85.2146, 159.9201



102.3222, 85.2146, 113.0660

Sweetspot

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



73.6457, 85.2184, 47.6904



90.2802, 97.9843, 88.6499



58.7645, 51.4208, 41.9511



19.1895, 20.9158, 18.4134



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.



73.6457, 85.2184, 47.6904



79.3956, 93.3262, 45.0822



61.8196, 79.1218, 47.1369



17.7417, 19.2244, 17.5732



33.6373, 43.4535, 6.6145



3.0027, 3.8430, 0.5835

Inverse Universe

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



46.6211, 41.8555, 91.2146



45.4848, 38.8995, 99.7188



56.7587, 47.0816, 91.6890



15.7350, 16.0060, 20.8027



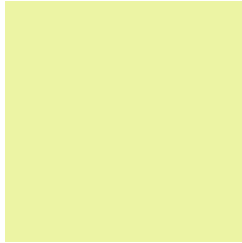
9.1402, 3.6863, 46.7678



0.8538, 0.3500, 4.1128

Previews

White Background



This preview shows how the XYZ color 73.6436, 85.2146, 47.6886 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 73.6436, 85.2146, 47.6886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

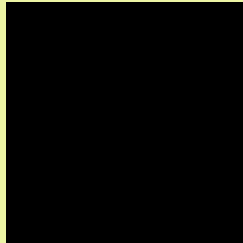
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

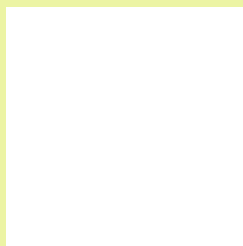
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.6436, 85.2146, 47.6886

Background



This preview shows how black text looks on a background with the XYZ color 73.6436, 85.2146, 47.6886.

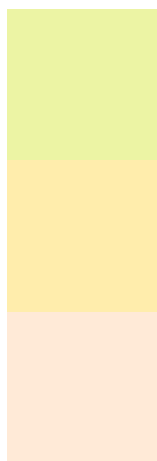


This preview shows how white text looks on a background with the XYZ color 73.6436, 85.2146,

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

73.6436, 85.2146, 47.6886

Protanopia

78.9706, 84.8069, 51.2369

Deuteranopia

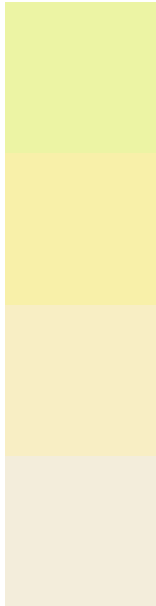
82.9286, 85.0119, 76.3281



Tritanopia

84.9093, 85.0170, 103.2015

Trichromacy



Original Color

73.6436, 85.2146, 47.6886

Protanomaly

77.0329, 85.1412, 49.9099

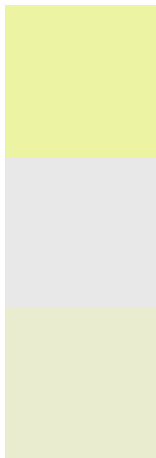
Deuteranomaly

79.2497, 85.0911, 64.4719

Tritanomaly

80.0325, 84.7375, 79.1556

Monochromacy



Original Color

73.6436, 85.2146, 47.6886

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

74.8622, 81.8195, 70.8786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.6436, 85.2146, 47.6886 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(236, 244, 164)` looks like.

```
.text, #text, p{  
    color:rgb(236, 244, 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(236, 244, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 244, 164) }
```

Border

The CSS property to change the border of an element to XYZ 73.6436, 85.2146, 47.6886 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(236, 244, 164) }
```


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

```
.border{ border-color:rgb(236, 244, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 244, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 244, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 244, 164);  
box-shadow:4px 4px 4px 4px rgb(236, 244,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 73.6436, 85.2146, 47.6886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 244, 164) }
```

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

```
.background{ background-color: rgb(236,  
244, 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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