

Converting Colors

XYZ(73.9789, 85.2031, 47.8602)

Have a look what the booklet for
XYZ(73.9789, 85.2031, 47.8602)
contains.

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Color

**XYZ(73.9766, 85.3862,
47.7042)**

Conversions

Conversions Part 1

Format	Color
Hex	EDF4A4
RGB	237, 244, 164
RGB Percent	93%, 96%, 64%
CMY	0.0706, 0.0431, 0.3569
CMYK	0.03, 0.00, 0.33, 0.04
HSL	65°, 78%, 80%
HSV	65°, 33%, 96%
XYZ	73.9766, 85.3862, 47.7042
YIQ	232.7870, 21.5080, -26.3640

Conversions

Conversions Part 2

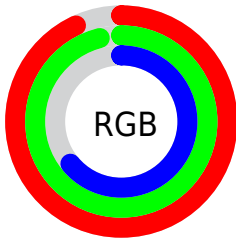
Format	Color
RYB	164, 244, 171
Decimal	15594660
CIELab	94.05, -14.42, 37.84
CIELCh	94, 40.494, 110.866
Yxy	85.3862, 0.3573, 0.4124
Android (android.graphics.Color)	4293784740 (0xFFEDF4A4)
YUV	232.7870, -33.9120, 3.6948
Hunter-Lab	92.4047, -18.8060, 34.0746

Details

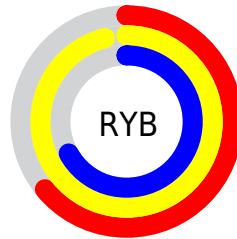
The XYZ color **73.9766, 85.3862, 47.7042** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **46.4024, 41.7427, 91.2043**, and the grayscale version is **77.5294, 81.5670, 88.8265**.

A 20% lighter version of the original color is **89.9183, 97.9473, 81.8767**, and **39.6749, 46.8174, 21.9845** is the 20% darker color. If you saturate the color by 10%, you get **71.2728, 84.2257, 37.1581**, and if you desaturate by 10%, it is **77.1160, 86.7279, 60.4808**.

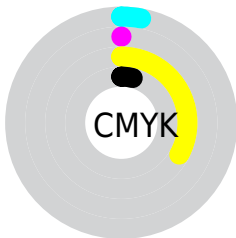
Distribution



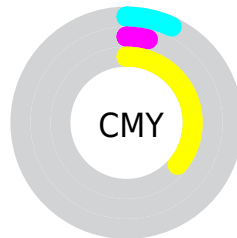
- Red (93%)
- Green (96%)
- Blue (64%)



- 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 73.9766, 85.3862, 47.7042 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 73.9766, 85.3862, 47.7042 by changing the saturation by 10% instead.

73.9766, 85.3862,
47.7042

73.9766, 85.3862,
47.7042

463.4442,
512.9051, 394.0933

55.0661, 64.1605,
33.2344

123.8583,
140.9126, 88.1248

39.6887, 46.7807,
22.0335

155.5602,
175.9822, 114.9126

27.4790, 32.8623,
13.6829

192.2567,
216.4352, 146.6435

18.0718, 22.0210,
7.7643

234.3130,
262.6559, 183.7361

11.1015, 13.8723,
3.8589

282.0946,
315.0289, 226.6088

6.2030, 8.0319,
1.5482

335.9667,

3.0107, 4.1154,

373.9385, 275.6802

0.2535

396.2948,
439.7691, 331.3688

■ 1.1594, 1.7383,
0.0000

■ 0.0740, 0.4483,
0.0000

■ 73.9766, 85.3862,
47.7042

■ 73.9766, 85.3862,
47.7042

■ 71.2728, 84.2257,
37.1581

■ 77.1160, 86.7279,
60.4808

■ 68.9738, 83.2252,
28.7092


■ 80.7070, 88.2481,
75.6002


■ 67.0551, 82.3777,
22.2188

■ 84.7724, 89.9592,
93.1733


■ 65.4867, 81.6714,
17.5290


■ 88.2499, 91.4361,
107.6054


 64.2339, 81.0922,
14.4573


 89.0019, 91.8237,
107.6406

 63.2547, 80.6235,
12.7832

 89.7626, 92.2159,
107.6762

 62.6728, 80.3357,
12.2031

 90.5319, 92.6125,
107.7122

 91.3100, 93.0136,
107.7486

 91.6425, 93.1850,
107.7642

Harmonies

Analogous

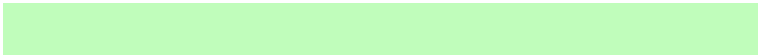
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.5013, 85.3862, 45.7141



73.9766, 85.3862, 47.7042



66.0789, 85.3862, 60.2355

Triad

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



73.9766, 85.3862, 47.7042



68.7332, 85.3862, 147.2092



103.4564, 85.3862, 102.7439

Complementary

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



73.9766, 85.3862, 47.7042



46.4024, 41.7427, 91.2043

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.



98.3703, 85.3862, 135.8273



73.9766, 85.3862, 47.7042



77.9022, 85.3862, 164.9959

Square

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



73.9766, 85.3862, 47.7042



63.2435, 85.3862, 115.8260



88.7877, 85.3862, 160.4225



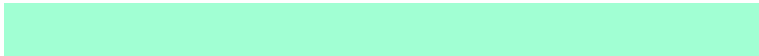
102.1690, 85.3862, 73.3396

Rectangle

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



73.9766, 85.3862, 47.7042



63.0617, 85.3862, 74.7931



88.7877, 85.3862, 160.4225



102.4198, 85.3862, 113.8788

Sweetspot

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



73.9787, 85.3900, 47.7060



90.3960, 98.0441, 88.6553



58.5120, 50.9157, 41.8670



19.2177, 20.9303, 18.4148



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.



73.9787, 85.3900, 47.7060



79.8310, 93.5506, 45.1026



62.1680, 79.3014, 47.1533



17.7632, 19.2355, 17.5742



34.1355, 43.7103, 6.6378



3.0414, 3.8630, 0.5853

Inverse Universe

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



46.4024, 41.7427, 91.2043



45.2264, 38.7662, 99.7067



56.3759, 46.8842, 91.6710



15.7157, 15.9961, 20.8018



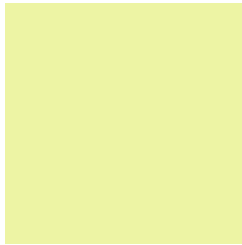
9.0977, 3.6644, 46.7658



0.8447, 0.3453, 4.1124

Previews

White Background



This preview shows how the XYZ color 73.9766, 85.3862, 47.7042 looks on a white background.

Color Contrast Check

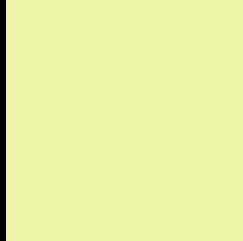
Large Text (above 18pt) WCAG AA × Fail

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 73.9766, 85.3862, 47.7042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

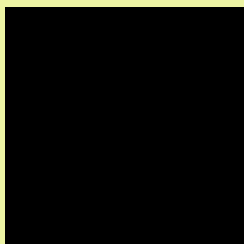
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 73.9766, 85.3862, 47.7042

Background



This preview shows how black text looks on a background with the XYZ color 73.9766, 85.3862, 47.7042.

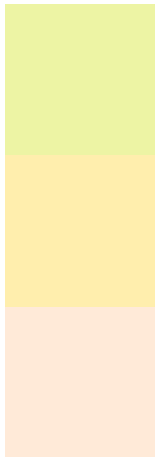


This preview shows how white text looks on a background with the XYZ color 73.9766, 85.3862,

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

73.9766, 85.3862, 47.7042

Protanopia

79.3574, 85.4262, 51.8415

Deuteranopia

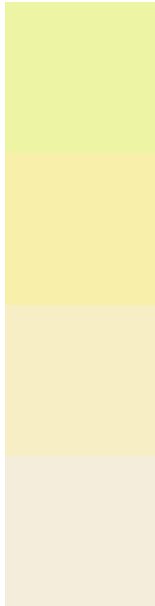
83.0575, 85.0635, 77.0070



Tritanopia

85.2629, 85.1993, 103.2181

Trichromacy



Original Color

73.9766, 85.3862, 47.7042

Protanomaly

77.1272, 85.1789, 50.4063

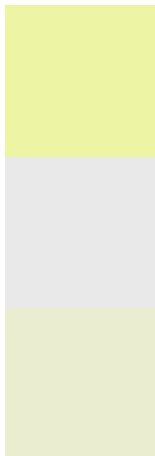
Deuteranomaly

79.3640, 85.1367, 65.0734

Tritanomaly

80.3786, 84.9159, 79.1718

Monochromacy



Original Color

73.9766, 85.3862, 47.7042

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

75.6010, 82.6149, 71.6362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.9766, 85.3862, 47.7042 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(237, 244, 164)` looks like.

```
.text, #text, p{  
    color:rgb(237, 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(237, 244, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 244, 164) }
```

Border

The CSS property to change the border of an element to XYZ 73.9766, 85.3862, 47.7042 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(237, 244, 164) }
```


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

```
.border{ border-color:rgb(237, 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(237, 244, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 244, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 244, 164);  
box-shadow:4px 4px 4px 4px rgb(237, 244,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 73.9766, 85.3862, 47.7042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 244, 164) }
```

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

```
.background{ background-color: rgb(237,  
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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