

Converting Colors

XYZ(73.6681, 86.4176, 42.9349)

Have a look what the booklet for
XYZ(73.6681, 86.4176, 42.9349)
contains.

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Color

**XYZ(73.6306, 86.2160,
42.8976)**

Conversions

Conversions Part 1

Format	Color
Hex	EDF699
RGB	237, 246, 153
RGB Percent	93%, 96%, 60%
CMY	0.0706, 0.0353, 0.4000
CMYK	0.04, 0.00, 0.38, 0.04
HSL	66°, 84%, 78%
HSV	66°, 38%, 96%
XYZ	73.6306, 86.2160, 42.8976
YIQ	232.7070, 24.4890, -30.8310

Conversions

Conversions Part 2

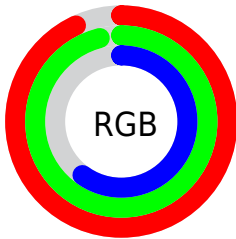
Format	Color
R_{YB}	153, 246, 162
Decimal	15595161
CIE _{Lab}	94.40, -16.67, 43.73
CIE _{LCh}	94, 46.805, 110.869
Yxy	86.2160, 0.3632, 0.4252
Android (android.graphics.Color)	4293785241 (0xFFEDF699)
YUV	232.7070, -39.2956, 3.7650
Hunter-Lab	92.8526, -20.9444, 37.6050

Details

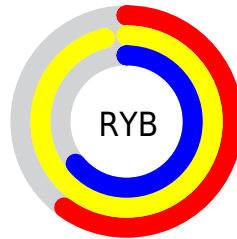
The XYZ color **73.6306, 86.2160, 42.8976** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **42.9293, 37.1199, 92.0961**, and the grayscale version is **77.5069, 81.5433, 88.8006**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **39.5361, 47.4503, 19.1316** is the 20% darker color. If you saturate the color by 10%, you get **71.0154, 85.0817, 33.2406**, and if you desaturate by 10%, it is **76.6796, 87.5311, 54.7647**.

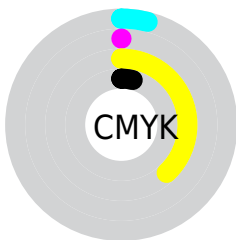
Distribution



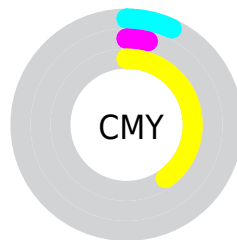
- Red (93%)
- Green (96%)
- Blue (60%)



- Red (60%)
- Yellow (96%)
- Blue (64%)



- Cyan (4%)
- Magenta (0%)
- Yellow (38%)
- Black (4%)





- Cyan (7%)
- Magenta (4%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.6306, 86.2160, 42.8976 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 73.6306, 86.2160, 42.8976 by changing the saturation by 10% instead.


 73.6306, 86.2160,
42.8976


 73.6306, 86.2160,
42.8976


462.2675,
515.6432, 374.0993

 54.7820, 64.8466,
29.4740


 123.3703,
142.0709, 80.8410

 39.4603, 47.3367,
19.1910


 154.9921,
177.3251, 106.1979

 27.3004, 33.3019,
11.6302


191.6024,
217.9765, 136.3696

 17.9367, 22.3578,
6.3729

233.5664,
264.4093, 171.7746

 11.0039, 14.1201,
3.0007

281.2496,
317.0080, 212.8316

 6.1368, 8.2042,
1.0950

335.0172,

 2.9699, 4.2259,

376.1569, 259.9590

0.0000

395.2348,
442.2405, 313.5754

■ 1.1379, 1.8007,
0.0000

■ 0.0564, 0.4876,
0.0000

■ 73.6306, 86.2160,
42.8976

■ 73.6306, 86.2160,
42.8976

■ 71.0154, 85.0817,
33.2406

■ 76.6796, 87.5311,
54.7647

■ 68.8015, 84.1060,
25.6518

■ 80.1797, 89.0249,
68.9614

■ 66.9623, 83.2815,
19.9812

■ 84.1551, 90.7100,
85.6051

■ 65.4650, 82.5950,
16.0564

■ 88.6261, 92.5946,
104.8035

■ 64.2710, 82.0309,
13.6744

■ 90.0430, 93.2588,
107.8627

■ 63.3283, 81.5686,
12.5616

■ 90.8972, 93.6992,
107.9027

■ 63.1381, 81.4740,
12.3983

■ 91.7622, 94.1451,
107.9432

■ 92.2477, 94.3954,
107.9659

Harmonies

Analogous

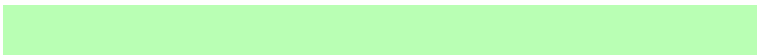
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8430, 86.2160, 40.7596



73.6306, 86.2160, 42.8976



64.5844, 86.2160, 56.6035

Triad

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



73.6306, 86.2160, 42.8976



67.6139, 86.2160, 158.4870



108.2118, 86.2160, 105.2981

Complementary

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



73.6306, 86.2160, 42.8976



42.9293, 37.1199, 92.0961

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.



102.1690, 86.2160, 144.7088



73.6306, 86.2160, 42.8976



78.1682, 86.2160, 180.1860

Square

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



73.6306, 86.2160, 42.8976



61.3654, 86.2160, 120.7665



90.8644, 86.2160, 174.5841



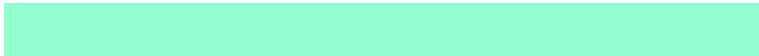
106.6787, 86.2160, 71.3041

Rectangle

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



73.6306, 86.2160, 42.8976



61.1588, 86.2160, 72.9597



90.8644, 86.2160, 174.5841



106.9780, 86.2160, 118.4471

Sweetspot

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



73.6327, 86.2199, 42.8994



89.8659, 97.8117, 86.7800



56.4600, 47.2975, 36.2917



19.1079, 20.8819, 18.0408



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.



73.6327, 86.2199, 42.8994



77.7814, 92.6339, 38.6883



60.3837, 79.3898, 42.2794



17.7472, 19.2273, 17.5734



33.7653, 43.5195, 6.6205



3.0127, 3.8482, 0.5840

Inverse Universe

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



42.9293, 37.1199, 92.0961



40.2945, 32.6633, 98.7886



53.8306, 42.7397, 92.6062



15.7300, 16.0034, 20.8025



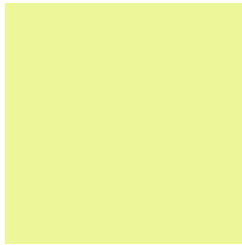
9.1288, 3.6804, 46.7673



0.8515, 0.3488, 4.1127

Previews

White Background



This preview shows how the XYZ color 73.6306, 86.2160, 42.8976 looks on a white background.

Color Contrast Check

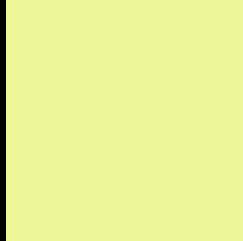
Large Text (above 18pt) WCAG AA × Fail

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 73.6306, 86.2160, 42.8976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

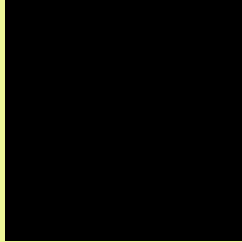
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

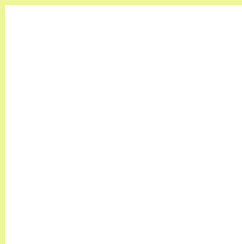
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.6306, 86.2160, 42.8976

Background



This preview shows how black text looks on a background with the XYZ color 73.6306, 86.2160, 42.8976.

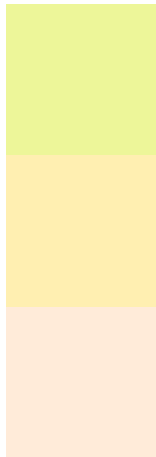


This preview shows how white text looks on a background with the XYZ color 73.6306, 86.2160,

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

73.6306, 86.2160, 42.8976

Protanopia

80.0423, 86.1673, 54.0082

Deuteranopia

83.4727, 85.6864, 77.7853



Tritanopia

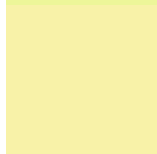
86.0604, 86.0136, 104.1619

Trichromacy



Original Color

73.6306, 86.2160, 42.8976



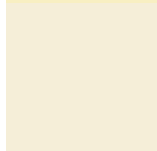
Protanomaly

77.5314, 86.2879, 49.6147



Deuteranomaly

79.3155, 85.5845, 63.3780



Tritanomaly

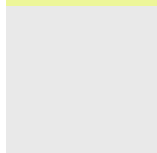
80.6254, 85.5194, 77.2232

Monochromacy



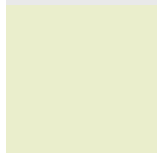
Original Color

73.6306, 86.2160, 42.8976



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

75.4053, 83.0011, 69.1733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.6306, 86.2160, 42.8976 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, 246, 153)` looks like.

```
.text, #text, p{  
    color:rgb(237, 246, 153)  
}
```

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, 246, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 246, 153) }
```

Border

The CSS property to change the border of an element to XYZ 73.6306, 86.2160, 42.8976 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, 246, 153) }
```


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

```
.border{ border-color:rgb(237, 246, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 246, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 246, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 246, 153);  
box-shadow:4px 4px 4px 4px rgb(237, 246,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 73.6306, 86.2160, 42.8976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 246, 153) }
```

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

```
.background{ background-color: rgb(237,  
246, 153) }
```

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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