

Converting Colors

XYZ(71.5700, 84.5668, 44.1546)

Have a look what the booklet for XYZ(71.5700, 84.5668, 44.1546) contains.

XYZ(71.6082, 84.6940, 44.0259) 3

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Color

**XYZ(71.6082, 84.6940,
44.0259)**

Conversions

Conversions Part 1

Format	Color
Hex	E7F59C
RGB	231, 245, 156
RGB Percent	91%, 96%, 61%
CMY	0.0941, 0.0392, 0.3882
CMYK	0.06, 0.00, 0.36, 0.04
HSL	69°, 82%, 79%
HSV	69°, 36%, 96%
XYZ	71.6082, 84.6940, 44.0259
YIQ	230.6680, 20.2250, -30.6470

Conversions

Conversions Part 2

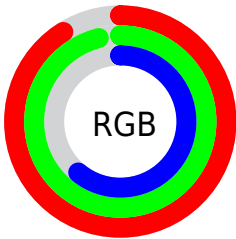
Format	Color
RYB	156, 245, 170
Decimal	15201692
CIELab	93.75, -18.10, 41.33
CIELCh	94, 45.123, 113.649
Yxy	84.6940, 0.3575, 0.4228
Android (android.graphics.Color)	4293391772 (0xFFE7F59C)
YUV	230.6680, -36.8113, 0.2912
Hunter-Lab	92.0293, -22.1602, 36.0568

Details

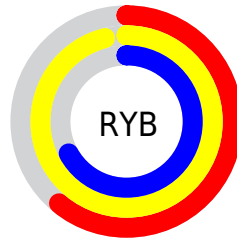
The XYZ color **71.6082, 84.6940, 44.0259** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **44.9506, 38.9177, 91.5337**, and the grayscale version is **75.9651, 79.9212, 87.0342**.

A 20% lighter version of the original color is **88.7579, 97.4831, 75.7661**, and **38.1013, 46.3731, 19.7747** is the 20% darker color. If you saturate the color by 10%, you get **68.5094, 83.3152, 34.1222**, and if you desaturate by 10%, it is **75.1572, 86.2619, 56.1383**.

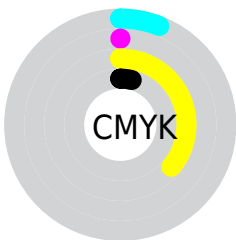
Distribution



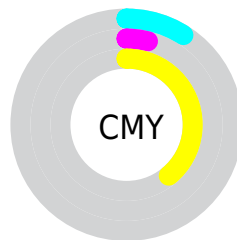
- Red (91%)
- Green (96%)
- Blue (61%)



- Red (61%)
- Yellow (96%)
- Blue (67%)



- Cyan (6%)
- Magenta (0%)
- Yellow (36%)
- Black (4%)





- Cyan (9%)
- Magenta (4%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.6082, 84.6940, 44.0259 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 71.6082, 84.6940, 44.0259 by changing the saturation by 10% instead.


 71.6082, 84.6940,
44.0259


 71.6082, 84.6940,
44.0259


455.3556,
510.6150, 378.8584

 53.1230, 63.5886,
30.3535


 120.5131,
139.9456, 82.5596

 38.1288, 46.3175,
19.8528


 151.6636,
174.8605, 108.2580

 26.2604, 32.4965,
12.1050

187.7665,
215.1474, 138.8022

 17.1522, 21.7410,
6.6918

229.1873,
261.1906, 174.6107

 10.4391, 13.6667,
3.1946

276.2912,
313.3746, 216.1020

 5.7555, 7.8892,
1.1949

329.4436,

 2.7362, 4.0241,

372.0837, 263.6947

0.0000

389.0100,
437.7024, 317.8073

■ 1.0159, 1.6871,
0.0000

■ 0.0000, 0.4153,
0.0000

■ 71.6082, 84.6940,
44.0259

■ 71.6082, 84.6940,
44.0259

■ 68.5094, 83.3152,
34.1222

■ 75.1572, 86.2619,
56.1383

■ 65.8289, 82.1040,
26.2884

■ 79.1733, 88.0169,
70.5761


■ 63.5406, 81.0528,
20.3787


■ 83.6804, 89.9714,
87.4543


■ 61.6125, 80.1488,
16.2260


■ 88.6986, 92.1337,
106.8788


 60.0075, 79.3770,
13.6344

 90.2280, 92.9037,
107.7844

 58.6788, 78.7189,
12.3600

 91.6259, 93.6243,
107.8498

 58.2335, 78.4950,
12.0818

 91.9442, 93.7884,
107.8647

Harmonies

Analogous

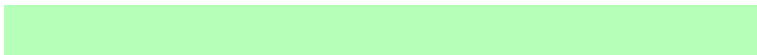
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0744, 84.6940, 40.9631



71.6082, 84.6940, 44.0259



63.3355, 84.6940, 58.3809

Triad

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



71.6082, 84.6940, 44.0259



67.6028, 84.6940, 156.2074



105.6316, 84.6940, 99.7097

Complementary

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



71.6082, 84.6940, 44.0259



44.9506, 38.9177, 91.5337

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.



100.5131, 84.6940, 137.1078



71.6082, 84.6940, 44.0259



77.9776, 84.6940, 174.5493

Square

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



71.6082, 84.6940, 44.0259



61.1885, 84.6940, 121.2917



90.0971, 84.6940, 166.8091



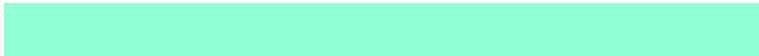
103.4970, 84.6940, 68.2054

Rectangle

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



71.6082, 84.6940, 44.0259



60.3571, 84.6940, 74.8638



90.0971, 84.6940, 166.8091



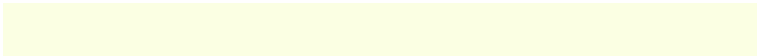
104.6871, 84.6940, 112.0646

Sweetspot

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



71.6103, 84.6978, 44.0277



89.2529, 97.4957, 86.7513



57.9130, 50.3214, 38.1143



18.9609, 20.8061, 18.0339



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

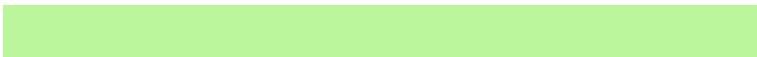
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.6103, 84.6978, 44.0277



75.7429, 91.5610, 39.5882



59.1863, 78.2930, 43.4463



17.6436, 19.1738, 17.5686



31.4674, 42.3348, 6.5129



2.8331, 3.7556, 0.5756

Inverse Universe

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



44.9506, 38.9177, 91.5337



42.4310, 34.3256, 98.9969



56.0604, 44.6450, 92.0536



15.8240, 16.0519, 20.8069



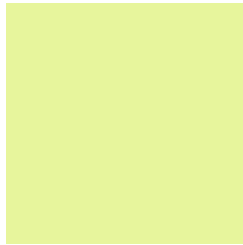
9.3939, 3.8170, 46.7797



0.8959, 0.3717, 4.1148

Previews

White Background



This preview shows how the XYZ color 71.6082, 84.6940, 44.0259 looks on a white background.

Color Contrast Check

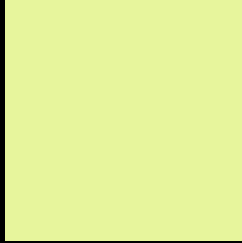
Large Text (above 18pt) WCAG AA × Fail

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 71.6082, 84.6940, 44.0259 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 71.6082, 84.6940, 44.0259

Background



This preview shows how black text looks on a background with the XYZ color 71.6082, 84.6940, 44.0259.

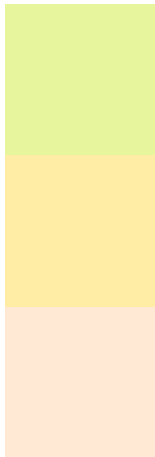


This preview shows how white text looks on a background with the XYZ color 71.6082, 84.6940,

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

71.6082, 84.6940, 44.0259

Protanopia

78.4071, 84.5815, 48.2698

Deuteranopia

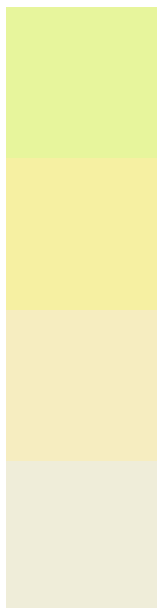
82.3892, 84.3419, 74.8880



Tritanopia

83.6717, 84.3608, 103.9687

Trichromacy



Original Color

71.6082, 84.6940, 44.0259

Protanomaly

75.6877, 84.5216, 46.5076

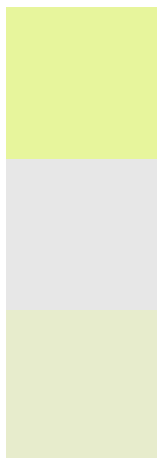
Deuteranomaly

77.8047, 83.9670, 61.9757

Tritanomaly

78.4052, 83.9288, 77.7131

Monochromacy



Original Color

71.6082, 84.6940, 44.0259

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

73.8495, 81.3395, 68.9345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.6082, 84.6940, 44.0259 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(231, 245, 156)` looks like.

```
.text, #text, p{  
    color:rgb(231, 245, 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(231, 245, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 245, 156) }
```

Border

The CSS property to change the border of an element to XYZ 71.6082, 84.6940, 44.0259 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(231, 245, 156) }
```


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

```
.border{ border-color:rgb(231, 245, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 245, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 245, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 245, 156);  
box-shadow:4px 4px 4px 4px rgb(231, 245,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 71.6082, 84.6940, 44.0259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 245, 156) }
```

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

```
.background{ background-color: rgb(231,  
245, 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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