

Converting Colors

XYZ(70.5585, 85.1857, 40.8876)

Have a look what the booklet for
XYZ(70.5585, 85.1857, 40.8876)
contains.

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Color

**XYZ(70.6010, 85.1536,
40.7322)**

Conversions

Conversions Part 1

Format	Color
Hex	E4F794
RGB	228, 247, 148
RGB Percent	89%, 97%, 58%
CMY	0.1059, 0.0313, 0.4196
CMYK	0.08, 0.00, 0.40, 0.03
HSL	72°, 86%, 77%
HSV	72°, 40%, 97%
XYZ	70.6010, 85.1536, 40.7322
YIQ	230.0330, 20.4550, -34.8170

Conversions

Conversions Part 2

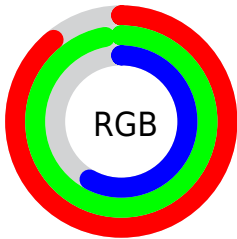
Format	Color
RYB	148, 247, 167
Decimal	15005588
CIELab	93.95, -21.10, 45.46
CIElCh	94, 50.116, 114.896
Yxy	85.1536, 0.3593, 0.4334
Android (android.graphics.Color)	4293195668 (0xFFE4F794)
YUV	230.0330, -40.4423, -1.7829
Hunter-Lab	92.2787, -24.9202, 38.4242

Details

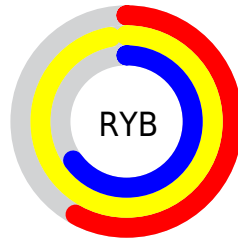
The XYZ color **70.6010, 85.1536, 40.7322** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.3179, 36.1129, 92.6879**, and the grayscale version is **75.5194, 79.4523, 86.5236**.

A 20% lighter version of the original color is **87.7795, 97.0918, 70.6140**, and **37.4909, 46.7458, 17.8733** is the 20% darker color. If you saturate the color by 10%, you get **67.3678, 83.6919, 31.4417**, and if you desaturate by 10%, it is **74.2969, 86.8111, 52.2252**.

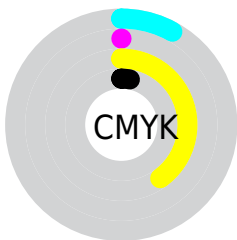
Distribution



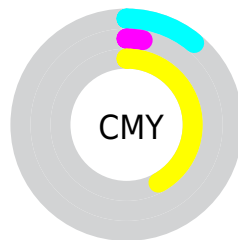
- Red (89%)
- Green (97%)
- Blue (58%)



- Red (58%)
- Yellow (97%)
- Blue (65%)



- Cyan (8%)
- Magenta (0%)
- Yellow (40%)
- Black (3%)





- Cyan (11%)
- Magenta (3%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.6010, 85.1536, 40.7322 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 70.6010, 85.1536, 40.7322 by changing the saturation by 10% instead.


 70.6010, 85.1536,
40.7322


 70.6010, 85.1536,
40.7322


451.8910,
512.1362, 364.8435

 52.2980, 63.9683,
27.7918


 119.0870,
140.5878, 77.5264

 37.4679, 46.6250,
17.9311


 150.0008,
175.6054, 102.2173

 25.7453, 32.7393,
10.7316


185.8488,
216.0026, 131.6621

 16.7649, 21.9268,
5.7748

226.9965,
262.1638, 166.2794

 10.1613, 13.8031,
2.6420

273.8092,
314.4734, 206.4876

 5.5691, 7.9839,
0.9140

326.6523,

 2.6230, 4.0846,

373.3157, 252.7053

0.0000

385.8911,
439.0752, 305.3511

■ 0.9577, 1.7210,
0.0000

■ 0.0000, 0.4372,
0.0000

■ 70.6010, 85.1536,
40.7322

■ 70.6010, 85.1536,
40.7322

■ 67.3678, 83.6919,
31.4417

■ 74.2969, 86.8111,
52.2252

■ 64.5639, 82.4036,
24.2074


■ 78.4738, 88.6629,
66.0440

■ 62.1612, 81.2806,
18.8736


■ 83.1569, 90.7219,
82.3090

■ 60.1251, 80.3088,
15.2602

■ 88.3673, 92.9968,
101.1309

 58.4145, 79.4718,
13.1525

 91.3523, 94.3864,
108.0114

 56.9721, 78.7479,
12.1971

 92.5526, 95.0052,
108.0675

Harmonies

Analogous

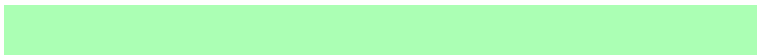
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.2420, 85.1536, 37.0676



70.6010, 85.1536, 40.7322



61.6947, 85.1536, 56.5330

Triad

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



70.6010, 85.1536, 40.7322



67.0499, 85.1536, 166.8276



109.2991, 85.1536, 99.4154

Complementary

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



70.6010, 85.1536, 40.7322



43.3179, 36.1129, 92.6879

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.



103.8118, 85.1536, 141.7608



70.6010, 85.1536, 40.7322



78.6729, 85.1536, 186.9418

Square

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



70.6010, 85.1536, 40.7322



59.8080, 85.1536, 127.2469



92.2332, 85.1536, 176.6946



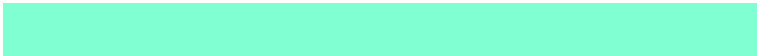
106.5321, 85.1536, 65.0790

Rectangle

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



70.6010, 85.1536, 40.7322



58.5912, 85.1536, 74.8457



92.2332, 85.1536, 176.6946



108.3425, 85.1536, 113.2300

Sweetspot

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



70.6031, 85.1574, 40.7340



88.3806, 97.0864, 84.8872



57.3695, 49.2417, 34.4991



18.7723, 20.7170, 17.6615



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

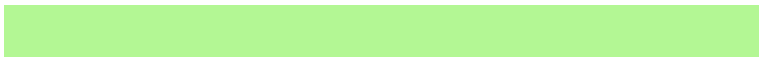
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.6031, 85.1574, 40.7340



73.0836, 90.2751, 35.6186



57.2804, 78.2893, 40.1105



17.5847, 19.1434, 17.5658



30.2446, 41.7045, 6.4557



2.7364, 3.7057, 0.5711

Inverse Universe

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



43.3179, 36.1129, 92.6879



40.1120, 30.9634, 98.4701



55.5968, 42.4429, 93.2626



15.8780, 16.0798, 20.8094



9.5972, 3.9219, 46.7892



0.9218, 0.3851, 4.1160

Previews

White Background



This preview shows how the XYZ color 70.6010, 85.1536, 40.7322 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 70.6010, 85.1536, 40.7322 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 70.6010, 85.1536, 40.7322

Background



This preview shows how black text looks on a background with the XYZ color 70.6010, 85.1536, 40.7322.

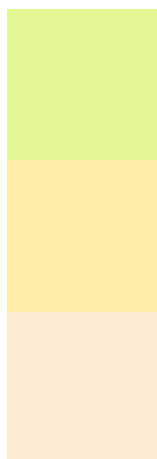


This preview shows how white text looks on a background with the XYZ color 70.6010, 85.1536,

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

70.6010, 85.1536, 40.7322

Protanopia

78.5921, 84.6555, 49.2437

Deuteranopia

82.6731, 84.9097, 74.9827



Tritanopia

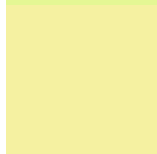
83.7136, 85.2093, 104.9634

Trichromacy



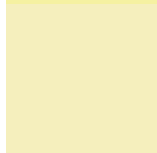
Original Color

70.6010, 85.1536, 40.7322



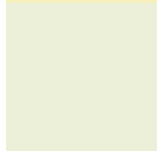
Protanomaly

75.5445, 84.8963, 46.1232



Deuteranomaly

77.7080, 84.8196, 60.4203



Tritanomaly

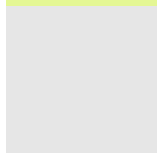
77.7243, 84.4722, 76.4982

Monochromacy



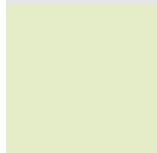
Original Color

70.6010, 85.1536, 40.7322



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.7339, 80.8190, 66.4097

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6010, 85.1536, 40.7322 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(228, 247, 148)` looks like.

```
.text, #text, p{  
    color:rgb(228, 247, 148)  
}
```

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(228, 247, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 247, 148) }
```

Border

The CSS property to change the border of an element to XYZ 70.6010, 85.1536, 40.7322 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(228, 247, 148) }
```


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

```
.border{ border-color:rgb(228, 247, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 247, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 247, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 247, 148);  
box-shadow:4px 4px 4px 4px rgb(228, 247,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6010, 85.1536, 40.7322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 247, 148) }
```

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

```
.background{ background-color: rgb(228,  
247, 148) }
```

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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