

Converting Colors

XYZ(71.2243, 88.5328, 30.4038)

Have a look what the booklet for
XYZ(71.2243, 88.5328, 30.4038)
contains.

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Color

**XYZ(71.3503, 88.5475,
30.4704)**

Conversions

Conversions Part 1

Format	Color
Hex	E7FD76
RGB	231, 253, 118
RGB Percent	91%, 99%, 46%
CMY	0.0941, 0.0078, 0.5372
CMYK	0.09, 0.00, 0.53, 0.01
HSL	70°, 97%, 73%
HSV	70°, 53%, 99%
XYZ	71.3503, 88.5475, 30.4704
YIQ	231.0320, 30.2230, -46.6490

Conversions

Conversions Part 2

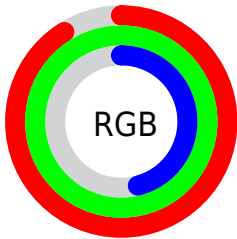
Format	Color
R _Y B	118, 253, 140
Decimal	15203702
CIE Lab	95.39, -25.72, 61.23
CIE LCh	95, 66.415, 112.780
Yxy	88.5475, 0.3748, 0.4651
Android (android.graphics.Color)	4293393782 (0xFFE7FD76)
YUV	231.0320, -55.7248, -0.0281
Hunter-Lab	94.0997, -29.3283, 46.6711

Details

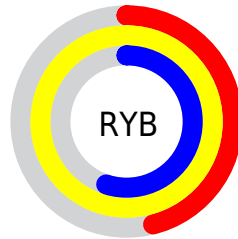
The XYZ color **71.3503, 88.5475, 30.4704** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **35.0265, 25.6264, 96.0341**, and the grayscale version is **76.3676, 80.3446, 87.4953**.

A 20% lighter version of the original color is **84.5428, 95.7971, 53.5700**, and **37.8707, 48.7230, 12.1111** is the 20% darker color. If you saturate the color by 10%, you get **68.7292, 87.3502, 23.5250**, and if you desaturate by 10%, it is **74.4102, 89.9302, 39.5442**.

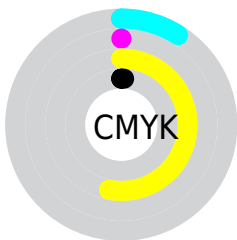
Distribution



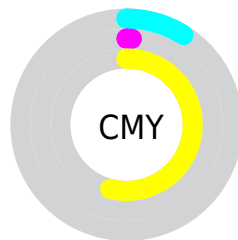
- Red (91%)
- Green (99%)
- Blue (46%)



- Red (46%)
- Yellow (99%)
- Blue (55%)



- Cyan (9%)
- Magenta (0%)
- Yellow (53%)
- Black (1%)





- Cyan (9%)
- Magenta (1%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.3503, 88.5475, 30.4704 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 71.3503, 88.5475, 30.4704 by changing the saturation by 10% instead.


 71.3503, 88.5475,
30.4704


 71.3503, 88.5475,
30.4704


454.4699,
523.2945, 318.3663


 52.9117, 66.7766,
19.9408


 120.1482,
145.3192, 61.4751

 37.9595, 48.9031,
12.1684


 151.2382,
181.0887, 82.7873

 26.1283, 34.5426,
6.7345


 187.2760,
222.2932, 108.5307

 17.0528, 23.3108,
3.2207

228.6270,
269.3171, 139.1240

 10.3677, 14.8231,
1.2084

275.6565,
322.5448, 174.9857

 5.7076, 8.6954,
0.0000

328.7299,

 2.7070, 4.5430,

382.3607, 216.5343

0.0000

388.2126,
449.1491, 264.1883

■ 1.0008, 1.9817,
0.0000

■ 0.0000, 0.5968,
0.0000

■ 71.3503, 88.5475,
30.4704

■ 71.3503, 88.5475,
30.4704

■ 68.7292, 87.3502,
23.5250

■ 74.4102, 89.9302,
39.5442

■ 66.5073, 86.3131,
18.5285

■ 77.9321, 91.4982,
50.8956

■ 64.6483, 85.4247,
15.2814

■ 81.9451, 93.2664,
64.6668

■ 63.1054, 84.6663,
13.5384

■ 86.4738, 95.2445,
80.9868

62.2106, 84.2165,
12.9766

91.5412, 97.4418,
99.9756

94.4173, 98.7345,
108.6891

Harmonies

Analogous

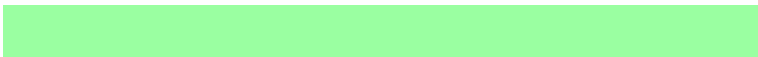
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6281, 88.5475, 27.3328



71.3503, 88.5475, 30.4704



59.3011, 88.5475, 47.6840

Triad

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



71.3503, 88.5475, 30.4704



64.7543, 88.5475, 200.0113



123.7825, 88.5475, 109.5389

Complementary

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



71.3503, 88.5475, 30.4704



35.0265, 25.6264, 96.0341

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.



115.1494, 88.5475, 170.4539



71.3503, 88.5475, 30.4704



79.8481, 88.5475, 233.5805

Square

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



71.3503, 88.5475, 30.4704



55.8928, 88.5475, 140.5584



98.4217, 88.5475, 221.1646



120.6444, 88.5475, 62.6391

Rectangle

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



71.3503, 88.5475, 30.4704



55.0155, 88.5475, 69.7297



98.4217, 88.5475, 221.1646



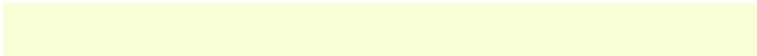
122.1234, 88.5475, 129.1598

Sweetspot

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



71.3524, 88.5515, 30.4723



86.7585, 96.4056, 77.7878



52.9056, 40.4420, 22.1584



18.3636, 20.5447, 15.9021



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.



71.3524, 88.5515, 30.4723



69.8040, 88.8482, 23.5498



53.9676, 79.5893, 29.6587



19.2534, 20.9321, 19.1699



33.1975, 44.8520, 6.9076



3.3064, 4.4053, 0.6760

Inverse Universe

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



35.0265, 25.6264, 96.0341



29.3859, 18.7195, 96.6722



49.5953, 33.1369, 96.7159



17.2788, 17.5199, 22.7209



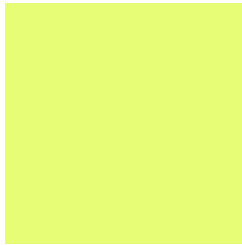
10.0019, 4.0666, 49.6924



1.0484, 0.4344, 4.8419

Previews

White Background



This preview shows how the XYZ color 71.3503, 88.5475, 30.4704 looks on a white background.

Color Contrast Check

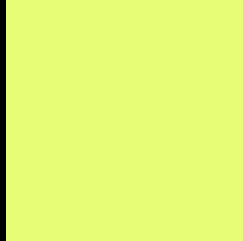
Large Text (above 18pt) WCAG AA × Fail

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 71.3503, 88.5475, 30.4704 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 71.3503, 88.5475, 30.4704

Background



This preview shows how black text looks on a background with the XYZ color 71.3503, 88.5475, 30.4704.

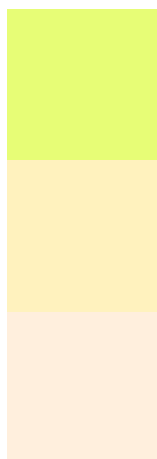


This preview shows how white text looks on a background with the XYZ color 71.3503, 88.5475,

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

71.3503, 88.5475, 30.4704

Protanopia

82.2864, 88.4820, 61.4570

Deuteranopia

85.1576, 88.2135, 80.9452



Tritanopia

86.6306, 87.9619, 107.0202

Trichromacy



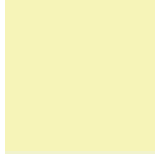
Original Color

71.3503, 88.5475, 30.4704



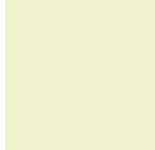
Protanomaly

77.6626, 88.1847, 48.0501



Deuteranomaly

79.0084, 87.7549, 58.1216



Tritanomaly

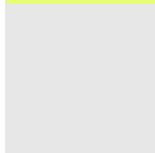
79.3457, 87.2097, 70.4088

Monochromacy



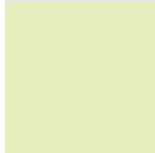
Original Color

71.3503, 88.5475, 30.4704



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.1158, 82.4396, 60.7740

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.3503, 88.5475, 30.4704 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, 253, 118)` looks like.

```
.text, #text, p{  
    color:rgb(231, 253, 118)  
}
```

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, 253, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 253, 118) }
```

Border

The CSS property to change the border of an element to XYZ 71.3503, 88.5475, 30.4704 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, 253, 118) }
```


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

```
.border{ border-color:rgb(231, 253, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 253, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 253, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 253, 118);  
box-shadow:4px 4px 4px 4px rgb(231, 253,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 71.3503, 88.5475, 30.4704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 253, 118) }
```

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

```
.background{ background-color: rgb(231,  
253, 118) }
```

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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