

Converting Colors

XYZ(48.5873, 71.6047, 38.1106)

Have a look what the booklet for
XYZ(48.5873, 71.6047, 38.1106)
contains.

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Color

**XYZ(48.5400, 71.5683,
38.0438)**

Conversions

Conversions Part 1

Format	Color
Hex	91F291
RGB	145, 242, 145
RGB Percent	57%, 95%, 57%
CMY	0.4314, 0.0510, 0.4314
CMYK	0.40, 0.00, 0.40, 0.05
HSL	120°, 79%, 76%
HSV	120°, 40%, 95%
XYZ	48.5400, 71.5683, 38.0438
YIQ	201.9390, -26.6750, -50.7310

Conversions

Conversions Part 2

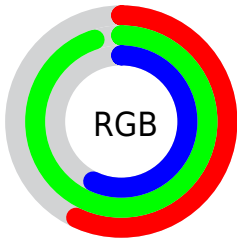
Format	Color
RYB	145, 242, 242
Decimal	9564817
CIELab	87.76, -47.58, 38.03
CIElCh	88, 60.914, 141.366
Yxy	71.5683, 0.3069, 0.4525
Android (android.graphics.Color)	4287754897 (0xFF91F291)
YUV	201.9390, -28.0709, -49.9355
Hunter-Lab	84.5980, -45.6283, 32.5559

Details

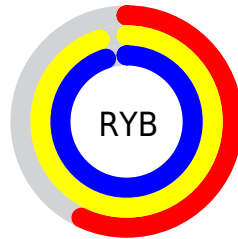
The XYZ color **48.5400, 71.5683, 38.0438** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **62.7726, 45.5402, 89.4884**, and the grayscale version is **56.2840, 59.2151, 64.4853**.

A 20% lighter version of the original color is **70.5424, 88.2467, 67.9589**, and **23.3492, 37.5629, 16.3757** is the 20% darker color. If you saturate the color by 10%, you get **43.0499, 68.9333, 29.0623**, and if you desaturate by 10%, it is **55.3395, 74.8366, 49.1642**.

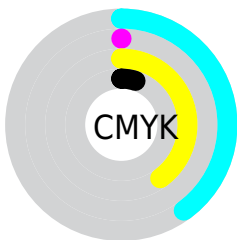
Distribution



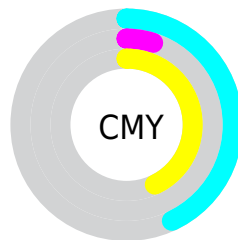
- Red (57%)
- Green (95%)
- Blue (57%)



- Red (57%)
- Yellow (95%)
- Blue (95%)



- Cyan (40%)
- Magenta (0%)
- Yellow (40%)
- Black (5%)





- Cyan (43%)
- Magenta (5%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5400, 71.5683, 38.0438 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 48.5400, 71.5683, 38.0438 by changing the saturation by 10% instead.


 48.5400, 71.5683,
38.0438


 48.5400, 71.5683,
38.0438


371.4756,
466.0376, 353.1116

 34.4677, 52.8061,
25.7146


 87.2127, 121.4426,
73.3794

 23.4178, 37.6480,
16.3864

 112.5439,
153.3234, 97.2229

 15.0247, 25.7096,
9.6407


142.3587,
190.3460, 125.7416

 8.9231, 16.6065,
5.0589

177.0226,
232.8946, 159.3540

 4.7478, 9.9544,
2.2225

216.9009,
281.3536, 198.4787

 2.1333, 5.3687,
0.6873


262.3589,

 0.7072, 2.4652,


336.1076, 243.5342


0.0000


313.7621,
397.5408, 294.9390


 0.0000, 0.8591,
0.0000


 0.0000, 0.0000,
0.0000


 48.5400, 71.5683,
38.0438


 48.5400, 71.5683,
38.0438


 43.0499, 68.9333,
29.0623


 55.3395, 74.8366,
49.1642

 38.7800, 66.8822,
22.0780

 63.5191, 78.7657,
62.5435

 35.6388, 65.3733,
16.9399

 73.1512, 83.3924,
78.2984

 33.5196, 64.3554,
13.4734

 84.3013, 88.7484,
96.5363

■ 32.2951, 63.7672,
11.4705

■ 91.0435, 91.9871,
107.5645

■ 31.7536, 63.5071,
10.5846

Harmonies

Analogous

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



58.3916, 71.5683, 24.8173



48.5400, 71.5683, 38.0438



44.0783, 71.5683, 66.5760

Triad

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



48.5400, 71.5683, 38.0438



63.9356, 71.5683, 186.0909



97.3297, 71.5683, 52.3741

Complementary

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



48.5400, 71.5683, 38.0438



62.7726, 45.5402, 89.4884

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.



99.3693, 71.5683, 90.4971



48.5400, 71.5683, 38.0438



78.6604, 71.5683, 178.0474

Square

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



48.5400, 71.5683, 38.0438



52.1040, 71.5683, 158.1110



92.1269, 71.5683, 138.9385



86.8943, 71.5683, 30.8179

Rectangle

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



48.5400, 71.5683, 38.0438



44.2508, 71.5683, 94.6891



92.1269, 71.5683, 138.9385



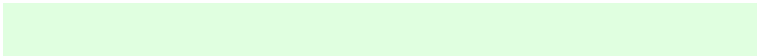
99.0734, 71.5683, 63.2677

Sweetspot

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



48.5418, 71.5713, 38.0454



80.1335, 92.8349, 84.5016



73.4840, 84.4295, 39.2120



16.8365, 19.7190, 17.5710



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.



48.5418, 71.5713, 38.0454



49.5760, 78.1565, 34.5193



53.1126, 73.3996, 62.1149



15.5660, 17.6564, 16.7374



17.0575, 34.1150, 5.6859



1.4190, 2.8381, 0.4730

Inverse Universe

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



62.7726, 45.5402, 89.4884



67.6225, 45.1456, 99.7558



56.4270, 43.0019, 56.0729



16.4543, 16.0314, 19.9487



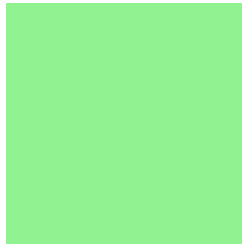
28.2810, 13.5848, 46.2576



2.3527, 1.1301, 3.8482

Previews

White Background



This preview shows how the XYZ color 48.5400, 71.5683, 38.0438 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 48.5400, 71.5683, 38.0438 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

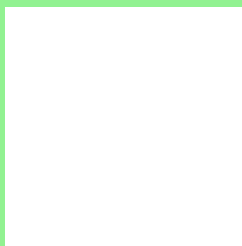
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.5400, 71.5683, 38.0438

Background



This preview shows how black text looks on a background with the XYZ color 48.5400, 71.5683, 38.0438.



This preview shows how white text looks on a background with the XYZ color 48.5400, 71.5683,

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

48.5400, 71.5683, 38.0438

Protanopia

65.3721, 70.7913, 33.5112

Deuteranopia

71.3258, 70.5651, 45.4585



Tritanopia

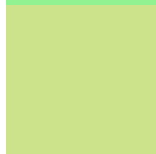
60.7571, 71.3703, 99.3805

Trichromacy



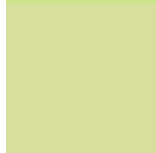
Original Color

48.5400, 71.5683, 38.0438



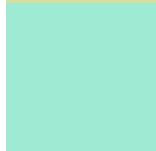
Protanomaly

57.3061, 69.7814, 34.8749



Deuteranomaly

60.3172, 69.1582, 42.5176



Tritanomaly

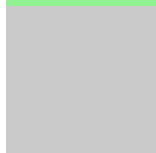
55.2812, 70.8179, 72.3836

Monochromacy



Original Color

48.5400, 71.5683, 38.0438



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

52.2094, 62.7857, 53.0832

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5400, 71.5683, 38.0438 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(145, 242, 145)` looks like.

```
.text, #text, p{  
    color:rgb(145, 242, 145)  
}
```

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(145, 242, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 242, 145) }
```

Border

The CSS property to change the border of an element to XYZ 48.5400, 71.5683, 38.0438 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(145, 242, 145) }
```


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

```
.border{ border-color:rgb(145, 242, 145) }
```

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

Here you see how a box with a 4 pixel rgb(145, 242, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 242, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 242, 145);  
box-shadow:4px 4px 4px 4px rgb(145, 242,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5400, 71.5683, 38.0438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 242, 145) }
```

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

```
.background{ background-color: rgb(145,  
242, 145) }
```

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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