

Converting Colors

XYZ(51.4461, 72.8282, 38.0770)

Have a look what the booklet for
XYZ(51.4461, 72.8282, 38.0770)
contains.

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Color

**XYZ(51.2641, 72.5320,
38.0862)**

Conversions

Conversions Part 1

Format	Color
Hex	A1F191
RGB	161, 241, 145
RGB Percent	63%, 95%, 57%
CMY	0.3686, 0.0549, 0.4314
CMYK	0.33, 0.00, 0.40, 0.05
HSL	110°, 77%, 76%
HSV	110°, 40%, 95%
XYZ	51.2641, 72.5320, 38.0862
YIQ	206.1360, -16.8640, -46.8160

Conversions

Conversions Part 2

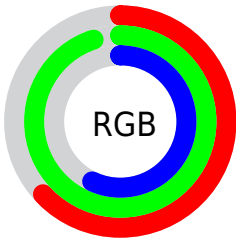
Format	Color
RYB	145, 241, 225
Decimal	10613137
CIELab	88.22, -42.24, 38.78
CIELCh	88, 57.342, 137.447
Yxy	72.5320, 0.3167, 0.4481
Android (android.graphics.Color)	4288803217 (0xFFA1F191)
YUV	206.1360, -30.1400, -39.5843
Hunter-Lab	85.1657, -41.5949, 33.1015

Details

The XYZ color **51.2641, 72.5320, 38.0862** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **57.0571, 42.6114, 88.4405**, and the grayscale version is **58.9497, 62.0196, 67.5394**.

A 20% lighter version of the original color is **75.0988, 90.5956, 68.1721**, and **25.0601, 38.1355, 16.3960** is the 20% darker color. If you saturate the color by 10%, you get **45.8723, 69.9470, 29.1411**, and if you desaturate by 10%, it is **57.7039, 75.6160, 49.1409**.

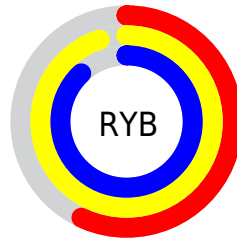
Distribution



Red (63%)

Green (95%)

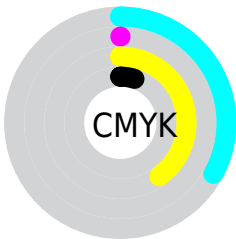
Blue (57%)



Red (57%)

Yellow (95%)

Blue (88%)

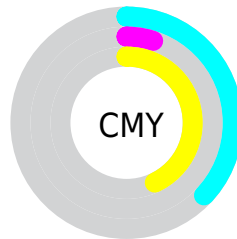


Cyan (33%)

Magenta (0%)

Yellow (40%)

Black (5%)



Cyan (37%)


Magenta (5%)


Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2641, 72.5320, 38.0862 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 51.2641, 72.5320, 38.0862 by changing the saturation by 10% instead.


 51.2641, 72.5320,
38.0862

 51.2641, 72.5320,
38.0862


381.9598,
469.3912, 353.2989

 36.6407, 53.5934,
25.7472


 91.2257, 122.8126,
73.4451

 25.1018, 38.2767,
16.4106


 117.2947,
154.9234, 97.3022

 16.2821, 26.1975,
9.6577


147.9095,
192.1936, 125.8357

 9.8161, 16.9714,
5.0700

183.4356,
235.0078, 159.4642

 5.3385, 10.2141,
2.2289

224.2383,
283.7502, 198.6062

 2.4840, 5.5412,
0.6910


270.6830,


 0.8872, 2.5681,


338.8053, 243.6803


0.0000


323.1351,
400.5575, 295.1050


 0.0000, 0.9107,
0.0000

 0.0000, 0.0000,
0.0000


 51.2641, 72.5320,
38.0862


 51.2641, 72.5320,
38.0862


 45.8723, 69.9470,
29.1411


 57.7039, 75.6160,
49.1409


 41.4669, 67.8257,
22.1670

 65.2381, 79.2139,
62.4226

 37.9881, 66.1428,
17.0162

 73.9169, 83.3511,
78.0458

 35.3673, 64.8664,
13.5182

 83.7856, 88.0489,
96.1155

■ 33.5256, 63.9604,
11.4703

■ 90.7468, 91.3935,
107.4656

■ 32.3534, 63.3755,
10.5390

■ 32.3381, 63.3679,
10.5268

Harmonies

Analogous

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



61.3236, 72.5320, 26.5781



51.2641, 72.5320, 38.0862



46.2490, 72.5320, 63.6563

Triad

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



51.2641, 72.5320, 38.0862



63.3596, 72.5320, 178.1438



97.3148, 72.5320, 58.4069

Complementary

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



51.2641, 72.5320, 38.0862



57.0571, 42.6114, 88.4405

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.



98.0508, 72.5320, 96.5731



51.2641, 72.5320, 38.0862



77.1611, 72.5320, 175.2855

Square

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



51.2641, 72.5320, 38.0862



52.5835, 72.5320, 148.7862



90.2719, 72.5320, 141.9312



88.3776, 72.5320, 35.3474

Rectangle

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



51.2641, 72.5320, 38.0862



45.9367, 72.5320, 89.1847



90.2719, 72.5320, 141.9312



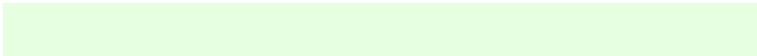
98.5682, 72.5320, 69.5759

Sweetspot

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



51.2659, 72.5351, 38.0878



81.7415, 93.6638, 84.5765



68.3148, 74.5989, 37.5876



17.2114, 19.9123, 17.5884



0.0000, 0.0000, 0.0000



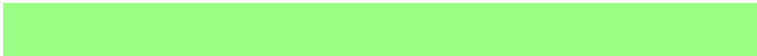
20.3446, 21.4041, 23.3091

Same Dimension

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



51.2659, 72.5351, 38.0878



53.1024, 79.9745, 34.6835



51.0704, 72.1080, 52.8233



15.8113, 17.7829, 16.7488



17.6105, 34.4001, 5.7117



1.5360, 2.8984, 0.4785

Inverse Universe

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



57.0571, 42.6114, 88.4405



60.5128, 41.4803, 99.4249



57.9122, 43.5569, 65.6793



16.1806, 15.8903, 19.9359



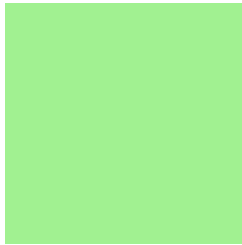
21.7475, 10.2166, 45.9537



1.8771, 0.8849, 3.8261

Previews

White Background



This preview shows how the XYZ color 51.2641, 72.5320, 38.0862 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 51.2641, 72.5320, 38.0862 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 51.2641, 72.5320, 38.0862

Background



This preview shows how black text looks on a background with the XYZ color 51.2641, 72.5320, 38.0862.



This preview shows how white text looks on a background with the XYZ color 51.2641, 72.5320,

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

51.2641, 72.5320, 38.0862

Protanopia

66.0437, 71.5178, 33.9904

Deuteranopia

72.1957, 71.7131, 47.5730



Tritanopia

63.3982, 72.3377, 98.6168

Trichromacy



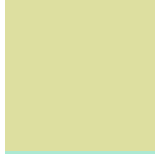
Original Color

51.2641, 72.5320, 38.0862



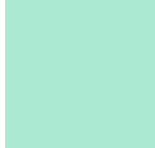
Protanomaly

59.3410, 71.2291, 35.4319



Deuteranomaly

62.5516, 70.6856, 43.6046



Tritanomaly

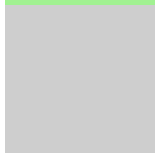
57.7850, 71.7016, 71.7670

Monochromacy



Original Color

51.2641, 72.5320, 38.0862



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

55.2185, 65.0709, 54.9970

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2641, 72.5320, 38.0862 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(161, 241, 145)` looks like.

```
.text, #text, p{  
    color:rgb(161, 241, 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(161, 241, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 241, 145) }
```

Border

The CSS property to change the border of an element to XYZ 51.2641, 72.5320, 38.0862 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(161, 241, 145) }
```


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

```
.border{ border-color:rgb(161, 241, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 241, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 241, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 241, 145);  
box-shadow:4px 4px 4px 4px rgb(161, 241,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2641, 72.5320, 38.0862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 241, 145) }
```

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

```
.background{ background-color: rgb(161,  
241, 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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