

Converting Colors

XYZ(51.0867, 74.3112, 24.5828)

Have a look what the booklet for
XYZ(51.0867, 74.3112, 24.5828)
contains.

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Color

**XYZ(51.2490, 74.6089,
24.5318)**

Conversions

Conversions Part 1

Format	Color
Hex	A8F567
RGB	168, 245, 103
RGB Percent	66%, 96%, 40%
CMY	0.3412, 0.0392, 0.5961
CMYK	0.31, 0.00, 0.58, 0.04
HSL	93°, 88%, 68%
HSV	93°, 58%, 96%
XYZ	51.2490, 74.6089, 24.5318
YIQ	205.7890, -0.3100, -60.4860

Conversions

Conversions Part 2

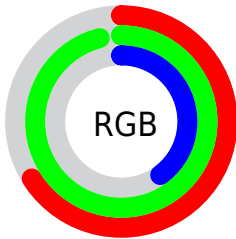
Format	Color
RYB	103, 245, 180
Decimal	11072871
CIELab	89.21, -46.53, 59.70
CIElCh	89, 75.688, 127.933
Yxy	74.6089, 0.3408, 0.4961
Android (android.graphics.Color)	4289262951 (0xFFA8F567)
YUV	205.7890, -50.6750, -33.1410
Hunter-Lab	86.3764, -45.2509, 43.6245

Details

The XYZ color **51.2490, 74.6089, 24.5318** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **40.1575, 25.9986, 89.2921**, and the grayscale version is **58.8470, 61.9117, 67.4218**.

A 20% lighter version of the original color is **73.2956, 90.1574, 45.8868**, and **25.0519, 39.5512, 9.0031** is the 20% darker color. If you saturate the color by 10%, you get **47.5099, 72.8055, 18.8516**, and if you desaturate by 10%, it is **55.6410, 76.7119, 32.1258**.

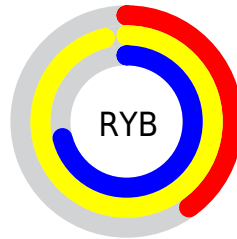
Distribution



Red (66%)

Green (96%)

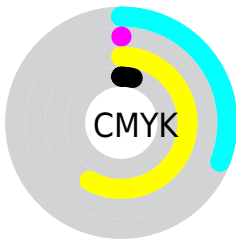
Blue (40%)



Red (40%)

Yellow (96%)

Blue (71%)

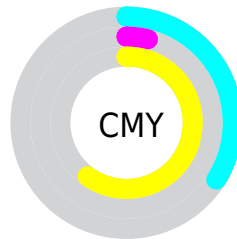


Cyan (31%)

Magenta (0%)

Yellow (58%)

Black (4%)



Cyan (34%)


Magenta (4%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2490, 74.6089, 24.5318 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 51.2490, 74.6089, 24.5318 by changing the saturation by 10% instead.


 51.2490, 74.6089,
24.5318


 51.2490, 74.6089,
24.5318


381.9022,
476.5722, 288.8708

 36.6287, 55.2925,
15.5127


 91.2035, 125.7586,
51.8513


 25.0925, 39.6360,
9.0294


 117.2684,
158.3607, 70.9888

 16.2751, 27.2548,
4.6633


 147.8789,
196.1602, 94.3363

 9.8111, 17.7647,
1.9958

 183.4003,
239.5415, 122.3121

 5.3352, 10.7812,
0.5527

224.1980,
288.8889, 155.3350

 2.4820, 5.9199,
0.0000

270.6373,

 0.8862, 2.7964,

344.5869, 193.8234

0.0000

323.0835,
407.0199, 238.1958

■ 0.0000, 1.0264,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.2490, 74.6089,
24.5318

■ 51.2490, 74.6089,
24.5318

■ 47.5099, 72.8055,
18.8516

■ 55.6410, 76.7119,
32.1258

■ 44.3772, 71.2746,
14.9089


■ 60.7173, 79.1204,
41.7796


■ 41.8053, 69.9993,
12.5031

■ 66.5133, 81.8521,
53.6305


■ 39.7325, 68.9539,
11.3590

■ 73.0603, 84.9203,
67.8027

 39.3542, 68.7620,
11.1982

 80.3874, 88.3375,
84.4111

 88.5218, 92.1155,
103.5629

 91.9440, 93.7880,
107.8647

Harmonies

Analogous

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



66.1249, 74.6089, 16.4094



51.2490, 74.6089, 24.5318



42.8352, 74.6089, 48.7093

Triad

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



51.2490, 74.6089, 24.5318



58.3932, 74.6089, 216.6137



112.2137, 74.6089, 67.9940

Complementary

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



51.2490, 74.6089, 24.5318



40.1575, 25.9986, 89.2921

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.



109.1712, 74.6089, 125.7404



51.2490, 74.6089, 24.5318



75.9279, 74.6089, 229.3059

Square

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



51.2490, 74.6089, 24.5318



46.4334, 74.6089, 161.1542



95.0571, 74.6089, 190.7309



102.7668, 74.6089, 33.3878

Rectangle

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



51.2490, 74.6089, 24.5318



41.0194, 74.6089, 77.6243



95.0571, 74.6089, 190.7309



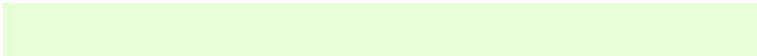
112.6444, 74.6089, 84.9589

Sweetspot

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



51.2508, 74.6121, 24.5334



80.7135, 93.3267, 75.8159



56.1740, 52.5281, 20.0113



16.9492, 19.8230, 15.5033



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.



51.2508, 74.6121, 24.5334



51.2222, 79.3384, 19.5431



40.9408, 69.2689, 25.3266



17.0029, 18.8435, 17.5386



21.3553, 37.1219, 6.0397



1.9939, 3.3230, 0.5363

Inverse Universe

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



40.1575, 25.9986, 89.2921



37.9686, 21.3763, 96.7326



58.2773, 35.4222, 86.4156



16.4399, 16.3694, 20.8357



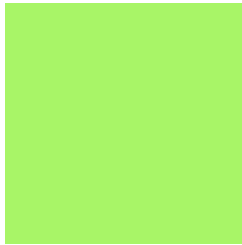
14.2398, 6.3152, 47.0065



1.3700, 0.6161, 4.1370

Previews

White Background



This preview shows how the XYZ color 51.2490, 74.6089, 24.5318 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 51.2490, 74.6089, 24.5318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

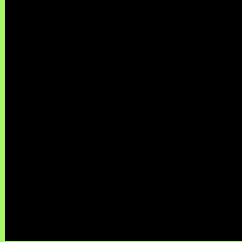
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.2490, 74.6089, 24.5318

Background



This preview shows how black text looks on a background with the XYZ color 51.2490, 74.6089, 24.5318.



This preview shows how white text looks on a background with the XYZ color 51.2490, 74.6089,

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

51.2490, 74.6089, 24.5318

Protanopia

67.2104, 73.5763, 21.7256

Deuteranopia

73.1207, 73.7129, 47.4199



Tritanopia

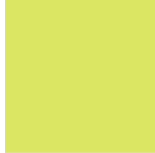
66.2264, 74.1898, 99.6365

Trichromacy



Original Color

51.2490, 74.6089, 24.5318



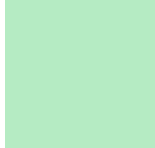
Protanomaly

60.0415, 73.1127, 22.7520



Deuteranomaly

62.9346, 72.6398, 37.0894



Tritanomaly

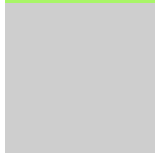
58.6147, 73.1805, 62.6657

Monochromacy



Original Color

51.2490, 74.6089, 24.5318



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

54.4929, 65.2574, 47.2600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2490, 74.6089, 24.5318 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(168, 245, 103)` looks like.

```
.text, #text, p{  
    color:rgb(168, 245, 103)  
}
```

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(168, 245, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 245, 103) }
```

Border

The CSS property to change the border of an element to XYZ 51.2490, 74.6089, 24.5318 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(168, 245, 103) }
```


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

```
.border{ border-color:rgb(168, 245, 103) }
```

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

Here you see how a box with a 4 pixel rgb(168, 245, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 245, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 245, 103);  
box-shadow:4px 4px 4px 4px rgb(168, 245,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2490, 74.6089, 24.5318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 245, 103) }
```

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

```
.background{ background-color: rgb(168,  
245, 103) }
```

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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