

Converting Colors

XYZ(48.5915, 72.0616, 24.2386)

Have a look what the booklet for
XYZ(48.5915, 72.0616, 24.2386)
contains.

XYZ(48.4984, 71.8545, 24.1451)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.4984, 71.8545,
24.1451)**

Conversions

Conversions Part 1

Format	Color
Hex	9FF267
RGB	159, 242, 103
RGB Percent	62%, 95%, 40%
CMY	0.3765, 0.0510, 0.5961
CMYK	0.34, 0.00, 0.57, 0.05
HSL	96°, 84%, 68%
HSV	96°, 57%, 95%
XYZ	48.4984, 71.8545, 24.1451
YIQ	201.3370, -4.8490, -60.8250

Conversions

Conversions Part 2

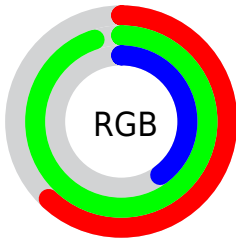
Format	Color
RYB	103, 242, 186
Decimal	10482279
CIELab	87.90, -48.29, 58.08
CIElCh	88, 75.534, 129.743
Yxy	71.8545, 0.3356, 0.4973
Android (android.graphics.Color)	4288672359 (0xFF9FF267)
YUV	201.3370, -48.4801, -37.1295
Hunter-Lab	84.7670, -46.2158, 42.4487

Details

The XYZ color **48.4984, 71.8545, 24.1451** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **41.1303, 26.5526, 86.9658**, and the grayscale version is **56.0221, 58.9396, 64.1852**.

A 20% lighter version of the original color is **70.5468, 88.7403, 45.7581**, and **23.3620, 37.7361, 8.8488** is the 20% darker color. If you saturate the color by 10%, you get **44.7555, 70.0478, 18.5214**, and if you desaturate by 10%, it is **52.9314, 73.9808, 31.6385**.

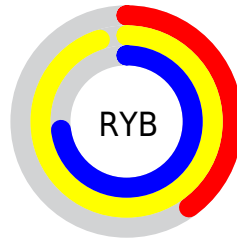
Distribution



Red (62%)

Green (95%)

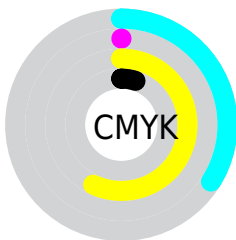
Blue (40%)



Red (40%)

Yellow (95%)

Blue (73%)

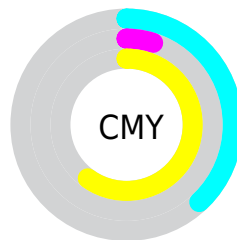


Cyan (34%)

Magenta (0%)

Yellow (57%)

Black (5%)



Cyan (38%)


Magenta (5%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4984, 71.8545, 24.1451 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 48.4984, 71.8545, 24.1451 by changing the saturation by 10% instead.


 48.4984, 71.8545,
24.1451


 48.4984, 71.8545,
24.1451


371.3141,
467.0350, 286.8634


 34.4346, 53.0398,
15.2281


 87.1512, 121.8496,
51.2137


 23.3922, 37.8346,
8.8312


 112.4710,
153.7989, 70.2023

 15.0056, 25.8543,
4.5360


 142.2735,
190.8952, 93.3853

 8.9097, 16.7147,
1.9237

 176.9240,
233.5228, 121.1811

 4.7390, 10.0313,
0.5078

216.7880,
282.0662, 154.0082

 2.1281, 5.4197,
0.0000

262.2308,

 0.7044, 2.4956,

336.9098, 192.2853

0.0000

313.6177,
398.4379, 236.4308

0.0000, 0.8744,
0.0000

0.0000, 0.0000,
0.0000

48.4984, 71.8545,
24.1451

48.4984, 71.8545,
24.1451

44.7555, 70.0478,
18.5214

52.9314, 73.9808,
31.6385

41.6546, 68.5329,
14.5975


58.0876, 76.4339,
41.1425


39.1486, 67.2919,
12.1807


64.0043, 79.2324,
52.7899

37.1763, 66.2988,
11.0157

70.7139, 82.3903,
66.7007

 36.7359, 66.0758,
10.8177

 78.2472, 85.9212,
82.9860

 86.6330, 89.8377,
101.7497

 91.0437, 91.9873,
107.5646

Harmonies

Analogous

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



62.6126, 71.8545, 15.6169



48.4984, 71.8545, 24.1451



40.7351, 71.8545, 48.7309

Triad

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



48.4984, 71.8545, 24.1451



57.0161, 71.8545, 212.6566



108.3293, 71.8545, 62.6550

Complementary

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



48.4984, 71.8545, 24.1451



41.1303, 26.5526, 86.9658

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.



106.1156, 71.8545, 117.7485



48.4984, 71.8545, 24.1451



74.3124, 71.8545, 221.9294

Square

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



48.4984, 71.8545, 24.1451



45.0212, 71.8545, 160.1043



92.8577, 71.8545, 181.6749



98.4619, 71.8545, 30.4872

Rectangle

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



48.4984, 71.8545, 24.1451



39.2396, 71.8545, 77.7950



92.8577, 71.8545, 181.6749



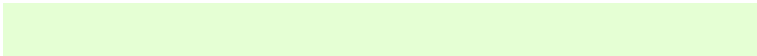
109.0082, 71.8545, 78.6814

Sweetspot

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



48.5001, 71.8576, 24.1467



79.9488, 92.9325, 75.7801



56.2269, 54.1750, 20.3263



16.7692, 19.7302, 15.4948



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.



48.5001, 71.8576, 24.1467



49.7381, 78.5627, 19.9493



40.4184, 67.6194, 27.0170



16.1687, 17.9671, 16.7655



19.8787, 35.5694, 5.8179



1.7633, 3.0155, 0.4891

Inverse Universe

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



41.1303, 26.5526, 86.9658



40.6453, 23.0243, 96.9096



55.8126, 34.3163, 78.8558



15.8025, 15.6954, 19.9182



14.9952, 6.7357, 45.6377



1.3596, 0.6182, 3.8019

Previews

White Background



This preview shows how the XYZ color 48.4984, 71.8545, 24.1451 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 48.4984, 71.8545, 24.1451 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

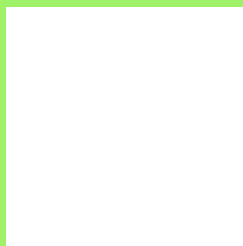
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.4984, 71.8545, 24.1451

Background



This preview shows how black text looks on a background with the XYZ color 48.4984, 71.8545, 24.1451.

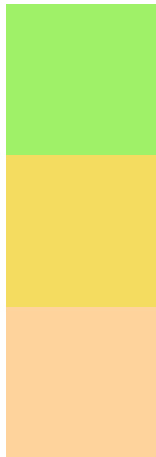


This preview shows how white text looks on a background with the XYZ color 48.4984, 71.8545,

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

48.4984, 71.8545, 24.1451

Protanopia

65.0127, 71.2640, 21.3951

Deuteranopia

70.7842, 70.7473, 41.3773



Tritanopia

63.0066, 71.3545, 96.8382

Trichromacy



Original Color

48.4984, 71.8545, 24.1451



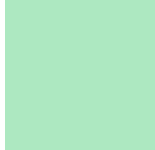
Protanomaly

57.4361, 70.5338, 22.3916



Deuteranomaly

60.4182, 69.7971, 33.9547



Tritanomaly

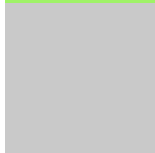
55.7158, 70.4477, 61.1133

Monochromacy



Original Color

48.4984, 71.8545, 24.1451



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

51.5971, 62.2674, 44.8967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4984, 71.8545, 24.1451 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(159, 242, 103)` looks like.

```
.text, #text, p{  
    color:rgb(159, 242, 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(159, 242, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 242, 103) }
```

Border

The CSS property to change the border of an element to XYZ 48.4984, 71.8545, 24.1451 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(159, 242, 103) }
```


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

```
.border{ border-color:rgb(159, 242, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 242, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 242, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 242, 103);  
box-shadow:4px 4px 4px 4px rgb(159, 242,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4984, 71.8545, 24.1451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 242, 103) }
```

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

```
.background{ background-color: rgb(159,  
242, 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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