

# Converting Colors

XYZ(48.4741, 75.5824, 19.0552)

Have a look what the booklet for  
XYZ(48.4741, 75.5824, 19.0552)  
contains.

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# Color

**XYZ(48.4741, 75.5824,  
19.0552)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98FA4D
RGB	152, 250, 77
RGB Percent	60%, 98%, 30%
CMY	0.4039, 0.0196, 0.6980
CMYK	0.39, 0.00, 0.69, 0.02
HSL	94°, 95%, 64%
HSV	94°, 69%, 98%
XYZ	48.4741, 75.5824, 19.0552
YIQ	200.9760, -2.8750, -74.5790

# Conversions

## Conversions Part 2

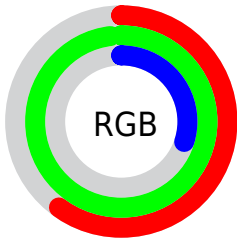
Format	Color
<a href="#">RYB</a>	<a href="#">77, 250, 175</a>
Decimal	<a href="#">10025549</a>
CIELab	<a href="#">89.67, -55.97, 70.31</a>
CIELCh	<a href="#">90, 89.871, 128.523</a>
Yxy	<a href="#">75.5824, 0.3387, 0.5281</a>
Android (android.graphics.Color)	<a href="#">4288215629 (0xFF98FA4D)</a>
YUV	<a href="#">200.9760, -61.1202, -42.9520</a>
Hunter-Lab	<a href="#">86.9381, -52.6155, 47.8614</a>

# Details

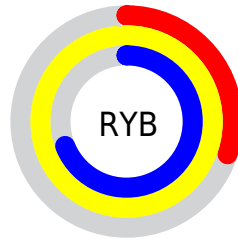
The XYZ color **48.4741, 75.5824, 19.0552** is a light color, and the websafe version is hex **99FF66**. The color can be described as light washed chartreuse. A complement of this color would be **37.5920, 21.3263, 92.5817**, and the grayscale version is **55.8728, 58.7825, 64.0142**.

A 20% lighter version of the original color is **67.2145, 87.2383, 35.8504**, and **23.4836, 40.4152, 6.5632** is the 20% darker color. If you saturate the color by 10%, you get **45.2615, 74.0117, 15.1496**, and if you desaturate by 10%, it is **52.3459, 77.4584, 24.7641**.

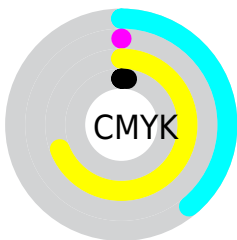
# Distribution



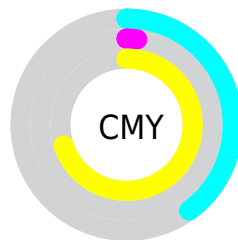
- Red (60%)
- Green (98%)
- Blue (30%)



- Red (30%)
- Yellow (98%)
- Blue (69%)



- Cyan (39%)
- Magenta (0%)
- Yellow (69%)
- Black (2%)




- Cyan (40%)
- Magenta (2%)
- Yellow (70%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4741, 75.5824, 19.0552 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 48.4741, 75.5824, 19.0552 by changing the saturation by 10% instead.





 48.4741, 75.5824,  
19.0552


 48.4741, 75.5824,  
19.0552


371.2197,  
479.9170, 259.1862


 34.4153, 56.0901,  
11.5330


 87.1153, 127.1364,  
42.6653


 23.3772, 40.2752,  
6.3079


 112.4284,  
159.9670, 59.5902


 14.9945, 27.7532,  
2.9614


 142.2237,  
198.0125, 80.4865

 8.9018, 18.1397,  
1.0749

 176.8664,  
241.6572, 105.7726

 4.7338, 11.0503,  
0.0000

 216.7221,  
291.2856, 135.8670

 2.1251, 6.1007,  
0.0000

262.1559,

 0.7028, 2.9064,

347.2821, 171.1884

0.0000

313.5333,  
410.0311, 212.1553

0.0000, 1.0831,  
0.0000

0.0000, 0.0000,  
0.0000

48.4741, 75.5824,  
19.0552

48.4741, 75.5824,  
19.0552

45.2615, 74.0117,  
15.1496

52.3459, 77.4584,  
24.7641

42.6503, 72.7144,  
12.8246


56.9168, 79.6493,  
32.4551

40.5679, 71.6625,  
11.7517


62.2291, 82.1757,  
42.2907


40.4173, 71.5861,  
11.6873

68.3199, 85.0536,  
54.4153

 75.2232, 88.2976,  
68.9609

 82.9712, 91.9216,  
86.0492

 91.5937, 95.9386,  
105.7939

 93.4772, 96.8543,  
108.3757

# Harmonies

## Analogous

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



65.7186, 75.5824, 11.0550



48.4741, 75.5824, 19.0552



39.0873, 75.5824, 45.2742

# Triad

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



48.4741, 75.5824, 19.0552



57.3667, 75.5824, 255.6186



122.6360, 75.5824, 65.5335

# Complementary

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



48.4741, 75.5824, 19.0552



37.5920, 21.3263, 92.5817

# 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.



119.1233, 75.5824, 135.4259



48.4741, 75.5824, 19.0552



78.3276, 75.5824, 271.0587

# Square

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



48.4741, 75.5824, 19.0552



43.4401, 75.5824, 183.8447



101.7138, 75.5824, 219.0856



110.5098, 75.5824, 27.3603



# Rectangle

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



48.4741, 75.5824, 19.0552



37.1613, 75.5824, 79.1971



101.7138, 75.5824, 219.0856



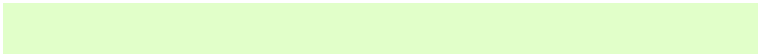
123.2878, 75.5824, 85.4755

# Sweetspot

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



48.4759, 75.5857, 19.0569



77.3022, 91.7118, 69.1642



55.5480, 50.4251, 13.8276



16.1095, 19.4252, 13.8764



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.



48.4759, 75.5857, 19.0569



46.2101, 76.8561, 14.7185



38.9141, 70.6187, 20.3114



17.7311, 19.6772, 18.3259



21.5955, 38.0512, 6.2064



2.1191, 3.5855, 0.5804



# Inverse Universe

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



37.5920, 21.3263, 92.5817



34.0823, 16.7863, 96.0515



58.0107, 32.0056, 86.6176



17.2242, 17.1282, 21.7836



15.2041, 6.7807, 48.4810

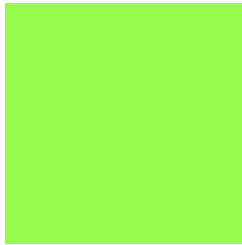


1.5297, 0.6907, 4.4959



# Previews

## White Background



This preview shows how the XYZ color 48.4741, 75.5824, 19.0552 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

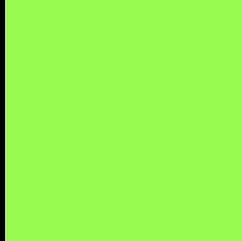
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.4741, 75.5824, 19.0552 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

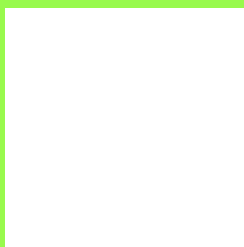
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 48.4741, 75.5824, 19.0552**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.4741, 75.5824, 19.0552.



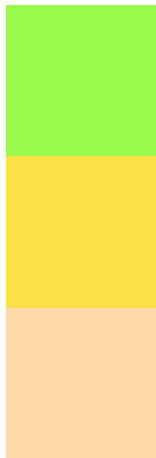
This preview shows how white text looks on a background with the XYZ color 48.4741, 75.5824,



# 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

48.4741, 75.5824, 19.0552

### Protanopia

67.8144, 74.8019, 16.6584

### Deuteranopia

73.4728, 74.2674, 47.9987



## Tritanopia

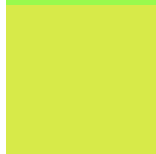
65.3536, 75.3389, 103.1928

# Trichromacy



## Original Color

48.4741, 75.5824, 19.0552



## Protanomaly

58.6497, 73.7737, 17.4519



## Deuteranomaly

61.6542, 73.2766, 34.1868



## Tritanomaly

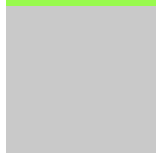
56.5994, 74.3860, 58.9518

# Monochromacy



## Original Color

48.4741, 75.5824, 19.0552



## Achromatopsia

55.5167, 58.4078, 63.6061



## Achromatomaly

50.8607, 63.1306, 40.9573

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.4741, 75.5824, 19.0552 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(152, 250, 77)` looks like.

```
.text, #text, p{  
    color:rgb(152, 250, 77)  
}
```

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(152, 250, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 250, 77) }
```

## Border

The CSS property to change the border of an element to XYZ 48.4741, 75.5824, 19.0552 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(152, 250, 77) }
```



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

```
.border{ border-color:rgb(152, 250, 77) }
```

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

Here you see how a box with a 4 pixel rgb(152, 250, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 250, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 250, 77);  
box-shadow:4px 4px 4px 4px rgb(152, 250,  
77) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.4741, 75.5824, 19.0552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 250, 77) }
```

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

```
.background{ background-color: rgb(152,  
250, 77) }
```

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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