

Converting Colors

XYZ(48.6307, 78.0860, 15.6410)

Have a look what the booklet for
XYZ(48.6307, 78.0860, 15.6410)
contains.

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Color

**XYZ(48.5703, 78.0549,
15.6382)**

Conversions

Conversions Part 1

Format	Color
Hex	94FF33
RGB	148, 255, 51
RGB Percent	58%, 100%, 20%
CMY	0.4196, 0.0000, 0.8000
CMYK	0.42, 0.00, 0.80, 0.00
HSL	91°, 100%, 60%
HSV	91°, 80%, 100%
XYZ	48.5703, 78.0549, 15.6382
YIQ	199.7510, 1.7120, -86.1280

Conversions

Conversions Part 2

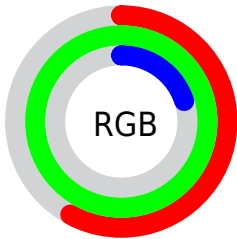
Format	Color
RYB	51, 255, 158
Decimal	9764659
CIELab	90.80, -60.62, 79.41
CIELCh	91, 99.904, 127.360
Yxy	78.0549, 0.3414, 0.5487
Android (android.graphics.Color)	4287954739 (0xFF94FF33)
YUV	199.7510, -73.3342, -45.3856
Hunter-Lab	88.3487, -56.4786, 51.3494

Details

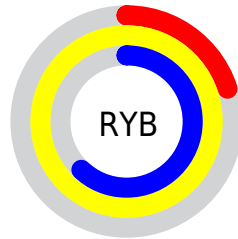
The XYZ color **48.5703, 78.0549, 15.6382** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **33.3369, 16.8587, 96.1048**, and the grayscale version is **55.1833, 58.0571, 63.2242**.

A 20% lighter version of the original color is **65.1490, 86.3131, 29.4460**, and **23.7126, 41.8638, 6.8307** is the 20% darker color. If you saturate the color by 10%, you get **45.8723, 76.7122, 13.3380**, and if you desaturate by 10%, it is **51.8561, 79.6651, 19.5747**.

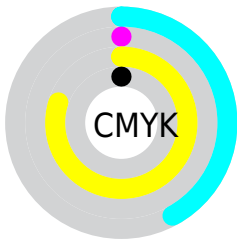
Distribution



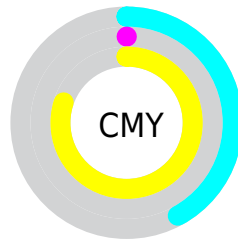
- Red (58%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (62%)



- Cyan (42%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (42%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5703, 78.0549, 15.6382 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 48.5703, 78.0549, 15.6382 by changing the saturation by 10% instead.


 48.5703, 78.0549,
15.6382


 48.5703, 78.0549,
15.6382


371.5933,
488.3533, 238.9696


 34.4919, 58.1191,
9.1169


 87.2575, 130.6275,
36.7270

 23.4364, 41.9044,
4.7197


 112.5970,
164.0331, 52.1315


 15.0385, 29.0264,
2.0279


 142.4208,
202.6974, 71.3343

 8.9329, 19.1008,
0.5724

 177.0944,
247.0048, 94.7537

 4.7542, 11.7431,
0.0000

 216.9831,
297.3397, 122.8085

 2.1371, 6.5690,
0.0000

262.4522,

 0.7092, 3.1941,

354.0864, 155.9170

0.0000

313.8672,
417.6295, 194.4979

■ 0.0000, 1.2339,
0.0000

■ 0.0000, 0.0891,
0.0000

■ 48.5703, 78.0549,
15.6382

■ 48.5703, 78.0549,
15.6382

■ 45.8723, 76.7122,
13.3380

■ 51.8561, 79.6651,
19.5747

■ 43.6801, 75.6029,
12.2909

■ 55.7822, 81.5647,
25.3766

■ 43.6792, 75.6025,
12.2906

■ 60.3944, 83.7731,
33.2402

■ 65.7334, 86.3075,
43.3360

■ 71.8358, 89.1835,
55.8166

■ 78.7359, 92.4157,
70.8214

■ 86.4652, 96.0175,
88.4789

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



68.1724, 78.0549, 8.3778



48.5703, 78.0549, 15.6382



37.9438, 78.0549, 42.0869

Triad

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



48.5703, 78.0549, 15.6382



57.1061, 78.0549, 287.2480



133.1392, 78.0549, 68.4726

Complementary

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



48.5703, 78.0549, 15.6382



33.3369, 16.8587, 96.1048

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.



128.2903, 78.0549, 150.1312



48.5703, 78.0549, 15.6382



80.5493, 78.0549, 309.2264

Square

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



48.5703, 78.0549, 15.6382



42.0397, 78.0549, 199.5920



107.5264, 78.0549, 249.1621



119.5818, 78.0549, 25.6517

Rectangle

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



48.5703, 78.0549, 15.6382



35.6443, 78.0549, 78.7739



107.5264, 78.0549, 249.1621



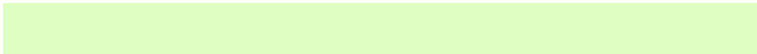
133.6517, 78.0549, 91.5216

Sweetspot

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



48.5705, 78.0550, 15.6394



75.8752, 91.0779, 64.5020



53.7943, 45.4122, 9.0633



15.7192, 19.2501, 12.6776



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.



48.5705, 78.0550, 15.6394



44.5078, 76.0232, 12.6210



37.8013, 72.4943, 15.5412



18.5931, 20.5917, 19.1390



22.9931, 39.5914, 6.4301



2.3639, 3.9194, 0.6319

Inverse Universe

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



33.3369, 16.8587, 96.1048



28.7426, 12.8966, 95.5821



59.9317, 30.6315, 94.5173



17.9124, 17.8466, 22.7506



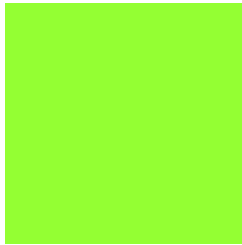
14.7223, 6.5001, 49.9133



1.5597, 0.6980, 4.8658

Previews

White Background



This preview shows how the XYZ color 48.5703, 78.0549, 15.6382 looks on a white background.

Color Contrast Check

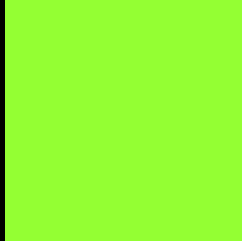
Large Text (above 18pt) WCAG AA × Fail

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 48.5703, 78.0549, 15.6382 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

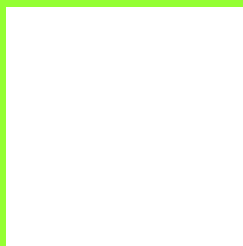
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.5703, 78.0549, 15.6382

Background



This preview shows how black text looks on a background with the XYZ color 48.5703, 78.0549, 15.6382.



This preview shows how white text looks on a background with the XYZ color 48.5703, 78.0549,

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

48.5703, 78.0549, 15.6382

Protanopia

69.7990, 77.0730, 15.4727

Deuteranopia

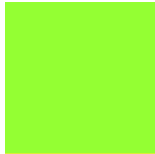
75.3972, 76.7169, 52.9535



Tritanopia

67.1566, 77.4917, 106.0256

Trichromacy



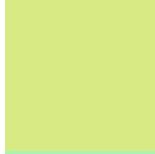
Original Color

48.5703, 78.0549, 15.6382



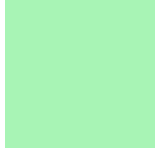
Protanomaly

59.6320, 76.0434, 15.4058



Deuteranomaly

61.9066, 75.1105, 33.0648



Tritanomaly

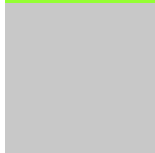
56.8396, 76.3624, 55.4597

Monochromacy



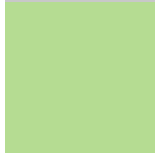
Original Color

48.5703, 78.0549, 15.6382



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

49.8376, 63.0855, 36.7441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5703, 78.0549, 15.6382 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(148, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(148, 255, 51)  
}
```

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(148, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 48.5703, 78.0549, 15.6382 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(148, 255, 51) }
```


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

```
.border{ border-color:rgb(148, 255, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(148, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5703, 78.0549, 15.6382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 255, 51) }
```

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

```
.background{ background-color: rgb(148,  
255, 51) }
```

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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