

Converting Colors

XYZ(48.5974, 78.0243, 17.6531)

Have a look what the booklet for
XYZ(48.5974, 78.0243, 17.6531)
contains.

XYZ(48.5974, 78.0243, 17.6531)	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(48.5974, 78.0243,
17.6531)**

Conversions

Conversions Part 1

Format	Color
Hex	92FF42
RGB	146, 255, 66
RGB Percent	57%, 100%, 26%
CMY	0.4275, 0.0000, 0.7411
CMYK	0.43, 0.00, 0.74, 0.00
HSL	95°, 100%, 63%
HSV	95°, 74%, 100%
XYZ	48.5974, 78.0243, 17.6531
YIQ	200.8630, -4.2950, -81.8870

Conversions

Conversions Part 2

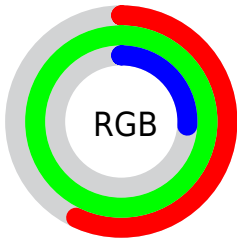
Format	Color
RYB	66, 255, 175
Decimal	9633602
CIELab	90.79, -60.49, 75.07
CIELCh	91, 96.404, 128.862
Yxy	78.0243, 0.3368, 0.5408
Android (android.graphics.Color)	4287823682 (0xFF92FF42)
YUV	200.8630, -66.4875, -48.1149
Hunter-Lab	88.3314, -56.3743, 49.9828

Details

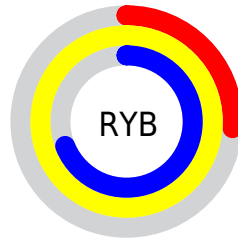
The XYZ color **48.5974, 78.0243, 17.6531** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **37.6796, 20.2322, 96.5270**, and the grayscale version is **55.8336, 58.7413, 63.9693**.

A 20% lighter version of the original color is **65.2580, 86.2918, 32.9552**, and **23.6224, 41.8173, 6.8265** is the 20% darker color. If you saturate the color by 10%, you get **45.5572, 76.5254, 14.4228**, and if you desaturate by 10%, it is **52.3092, 79.8307, 22.6646**.

Distribution



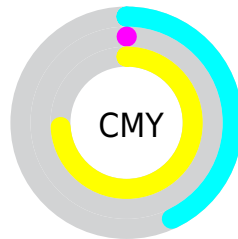
- Red (57%)
- Green (100%)
- Blue (26%)



- Red (26%)
- Yellow (100%)
- Blue (69%)



- Cyan (43%)
- Magenta (0%)
- Yellow (74%)
- Black (0%)





- Cyan (43%)
- Magenta (0%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5974, 78.0243, 17.6531 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 48.5974, 78.0243, 17.6531 by changing the saturation by 10% instead.


 48.5974, 78.0243,
17.6531


 48.5974, 78.0243,
17.6531


371.6985,
488.2493, 251.0785

 34.5134, 58.0939,
10.5344


 87.2975, 130.5844,
40.2512


 23.4531, 41.8842,
5.6445


 112.6444,
163.9829, 56.5677


 15.0509, 29.0106,
2.5649


 142.4763,
202.6396, 76.7872

 8.9417, 19.0888,
0.8742


 177.1586,
246.9388, 101.3282

 4.7600, 11.7345,
0.0000

 217.0566,
297.2650, 130.6093

 2.1404, 6.5632,
0.0000

262.5357,

 0.7111, 3.1904,

354.0026, 165.0491

0.0000

313.9612,
417.5359, 205.0659

0.0000, 1.2319,
0.0000

0.0000, 0.0876,
0.0000

48.5974, 78.0243,
17.6531

48.5974, 78.0243,
17.6531

45.5572, 76.5254,
14.4228

52.3092, 79.8307,
22.6646

43.1269, 75.3078,
12.7151

56.7435, 81.9664,
29.6623

41.9359, 74.7038,
12.2090

61.9460, 84.4510,
38.8272

67.9579, 87.3021,
50.3187

■ 74.8169, 90.5361,
64.2813

■ 82.5582, 94.1682,
80.8480

■ 91.2149, 98.2128,
100.1419

■ 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.



67.2106, 78.0243, 9.5525



48.5974, 78.0243, 17.6531



38.6367, 78.0243, 45.3473

Triad

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



48.5974, 78.0243, 17.6531



58.5940, 78.0243, 280.1001



130.3828, 78.0243, 66.0109

Complementary

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



48.5974, 78.0243, 17.6531



37.6796, 20.2322, 96.5270

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.



126.6621, 78.0243, 142.7354



48.5974, 78.0243, 17.6531



81.5721, 78.0243, 296.7819

Square

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



48.5974, 78.0243, 17.6531



43.4732, 78.0243, 199.2043



107.4059, 78.0243, 236.9834



116.6799, 78.0243, 25.7206

Rectangle

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



48.5974, 78.0243, 17.6531



36.6478, 78.0243, 82.3325



107.4059, 78.0243, 236.9834



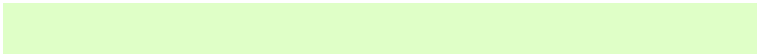
131.1813, 78.0243, 87.6330

Sweetspot

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



48.5976, 78.0244, 17.6543



76.3792, 91.2705, 67.5633



57.1870, 51.5802, 12.0973



15.9210, 19.3348, 13.5651



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.



48.5976, 78.0244, 17.6543



44.2980, 75.8972, 13.4166



39.4043, 73.2373, 19.3817



18.5003, 20.5438, 19.1346



22.0742, 39.1178, 6.3871



2.2709, 3.8714, 0.6276

Inverse Universe

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



37.6796, 20.2322, 96.5270



32.7530, 15.4179, 95.8574



59.2759, 31.5922, 87.2938



18.0064, 17.8950, 22.7550



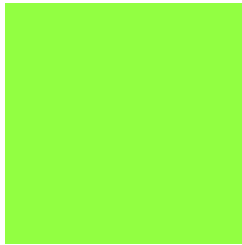
15.8996, 7.1070, 49.9684



1.6729, 0.7564, 4.8711

Previews

White Background



This preview shows how the XYZ color 48.5974, 78.0243, 17.6531 looks on a white background.

Color Contrast Check

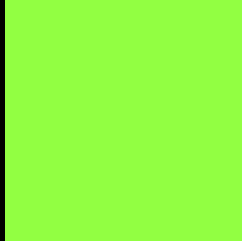
Large Text (above 18pt) WCAG AA × Fail

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 48.5974, 78.0243, 17.6531 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

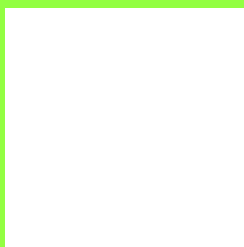
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.5974, 78.0243, 17.6531

Background



This preview shows how black text looks on a background with the XYZ color 48.5974, 78.0243, 17.6531.



This preview shows how white text looks on a background with the XYZ color 48.5974, 78.0243,

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

48.5974, 78.0243, 17.6531

Protanopia

69.7990, 77.0730, 15.4727

Deuteranopia

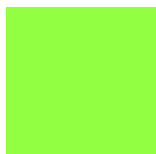
75.3972, 76.7169, 52.9535



Tritanopia

66.9246, 77.3721, 106.0147

Trichromacy



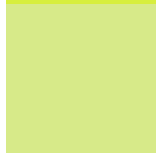
Original Color

48.5974, 78.0243, 17.6531



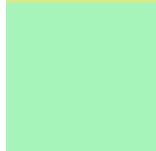
Protanomaly

59.4684, 75.9439, 16.0818



Deuteranomaly

61.9625, 75.0989, 34.8967



Tritanomaly

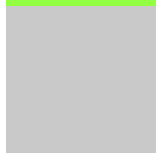
57.1500, 76.4620, 58.2009

Monochromacy



Original Color

48.5974, 78.0243, 17.6531



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

50.5800, 63.8037, 39.3553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5974, 78.0243, 17.6531 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(146, 255, 66)` looks like.

```
.text, #text, p{  
    color:rgb(146, 255, 66)  
}
```

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(146, 255, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 255, 66) }
```

Border

The CSS property to change the border of an element to XYZ 48.5974, 78.0243, 17.6531 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(146, 255, 66) }
```


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

```
.border{ border-color:rgb(146, 255, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 255, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 255, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 255, 66);  
box-shadow:4px 4px 4px 4px rgb(146, 255,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5974, 78.0243, 17.6531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 255, 66) }
```

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

```
.background{ background-color: rgb(146,  
255, 66) }
```

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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