

Converting Colors

XYZ(42.5035, 75.4841, 30.2148)

Have a look what the booklet for
XYZ(42.5035, 75.4841, 30.2148)
contains.

XYZ(41.8978, 74.2925, 29.9010)	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(41.8978, 74.2925,
29.9010)**

Conversions

Conversions Part 1

Format	Color
Hex	49FF78
RGB	73, 255, 120
RGB Percent	29%, 100%, 47%
CMY	0.7137, 0.0000, 0.5294
CMYK	0.71, 0.00, 0.53, 0.00
HSL	135°, 100%, 64%
HSV	135°, 71%, 100%
XYZ	41.8978, 74.2925, 29.9010
YIQ	185.1920, -65.1370, -80.5690

Conversions

Conversions Part 2

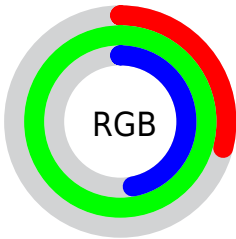
Format	Color
RYB	73, 218, 255
Decimal	4849528
CIELab	89.06, -72.32, 51.14
CIELCh	89, 88.574, 144.734
Yxy	74.2925, 0.2868, 0.5085
Android (android.graphics.Color)	4283039608 (0xFF49FF78)
YUV	185.1920, -32.1397, -98.3924
Hunter-Lab	86.1931, -64.0704, 39.7670

Details

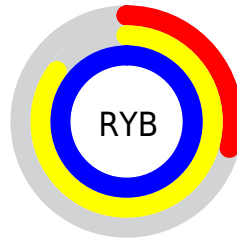
The XYZ color **41.8978, 74.2925, 29.9010** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **55.0076, 30.5793, 62.6764**, and the grayscale version is **46.4205, 48.8380, 53.1845**.

A 20% lighter version of the original color is **54.9995, 80.5444, 53.2053**, and **20.9794, 40.3378, 11.9904** is the 20% darker color. If you saturate the color by 10%, you get **39.3089, 73.0777, 24.3685**, and if you desaturate by 10%, it is **45.5056, 76.0064, 36.6672**.

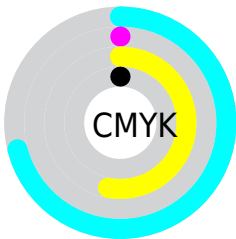
Distribution



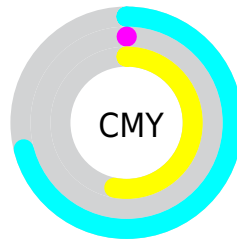
- Red (29%)
- Green (100%)
- Blue (47%)



- Red (29%)
- Yellow (85%)
- Blue (100%)



- Cyan (71%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)





- Cyan (71%)
- Magenta (0%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8978, 74.2925, 29.9010 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 41.8978, 74.2925, 29.9010 by changing the saturation by 10% instead.


 41.8978, 74.2925,
29.9010

 41.8978, 74.2925,
29.9010


345.0579,
475.4823, 315.6356


 29.2120, 55.0335,
19.5120


 77.3111, 125.3104,
60.5647


 19.3864, 39.4285,
11.8603


 100.7693,
157.8380, 81.6766

 12.0554, 27.0933,
6.5272


 128.5490,
195.5573, 107.1998

 6.8539, 17.6433,
3.0943

 161.0156,
238.8526, 137.5530

 3.4164, 10.6942,
1.1430

198.5344,
288.1084, 173.1546

 1.3776, 5.8616,
0.0000

241.4709,

 0.2402, 2.7611,

343.7090, 214.4232

0.0000

290.1903,
406.0388, 261.7774

■ 0.0000, 1.0083,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.8978, 74.2925,
29.9010

■ 41.8978, 74.2925,
29.9010

■ 39.3089, 73.0777,
24.3685

■ 45.5056, 76.0064,
36.6672


■ 37.6206, 72.3025,
19.9906


■ 50.2296, 78.2681,
44.7323

■ 36.7391, 71.9116,
17.0759


■ 56.1568, 81.1211,
54.1612

■ 63.3650, 84.6043,
65.0136

 71.9250, 88.7531,
77.3451

 81.9028, 93.6003,
91.2089

 93.3597, 99.1766,
106.6550

 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.



54.6567, 74.2925, 13.8944



41.8978, 74.2925, 29.9010



36.8679, 74.2925, 70.4819

Triad

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



41.8978, 74.2925, 29.9010



66.8777, 74.2925, 265.9289



115.3271, 74.2925, 40.7077

Complementary

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



41.8978, 74.2925, 29.9010



55.0076, 30.5793, 62.6764

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.



120.4295, 74.2925, 92.2795



41.8978, 74.2925, 29.9010



89.4063, 74.2925, 243.6227

Square

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



41.8978, 74.2925, 29.9010



49.2897, 74.2925, 221.6072



110.1329, 74.2925, 170.5693



97.3392, 74.2925, 17.5389

Rectangle

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



41.8978, 74.2925, 29.9010



37.6433, 74.2925, 114.9801



110.1329, 74.2925, 170.5693



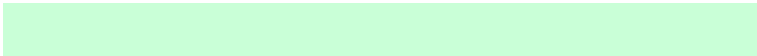
118.7423, 74.2925, 54.3100

Sweetspot

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



41.8982, 74.2927, 29.9022



72.2703, 88.9207, 77.8329



63.3990, 85.6295, 19.4903



14.9300, 18.7713, 15.8949



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.



41.8982, 74.2927, 29.9022



38.4236, 72.6683, 22.2035



50.0785, 77.5648, 72.9791



17.9641, 20.2452, 20.1138



19.2480, 37.5958, 9.1915



1.9164, 3.6775, 1.1174

Inverse Universe

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



55.0076, 30.5793, 62.6764



52.0970, 26.5977, 56.0349



46.9226, 27.3453, 20.1013



18.5805, 18.2155, 21.6742



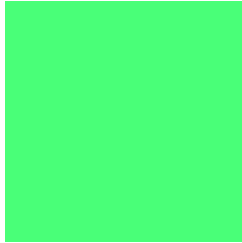
26.4207, 13.0576, 26.6634



2.6170, 1.2892, 2.8306

Previews

White Background



This preview shows how the XYZ color 41.8978, 74.2925, 29.9010 looks on a white background.

Color Contrast Check

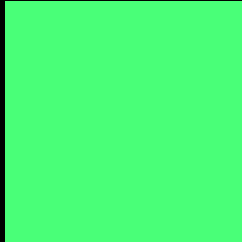
Large Text (above 18pt) WCAG AA × Fail

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 41.8978, 74.2925, 29.9010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

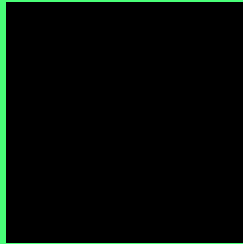
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.8978, 74.2925, 29.9010

Background



This preview shows how black text looks on a background with the XYZ color 41.8978, 74.2925, 29.9010.

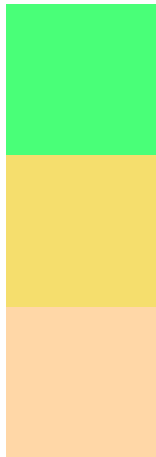


This preview shows how white text looks on a background with the XYZ color 41.8978, 74.2925,

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

41.8978, 74.2925, 29.9010

Protanopia

66.5378, 72.7592, 25.0050

Deuteranopia

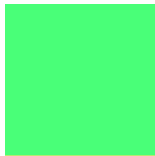
72.5155, 72.6509, 46.7603



Tritanopia

59.1058, 73.7723, 105.7320

Trichromacy



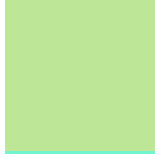
Original Color

41.8978, 74.2925, 29.9010



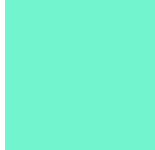
Protanomaly

51.6949, 69.9830, 26.4062



Deuteranomaly

54.7881, 69.6145, 39.4035



Tritanomaly

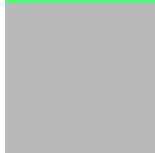
50.4307, 72.7350, 69.7738

Monochromacy



Original Color

41.8978, 74.2925, 29.9010



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

40.9812, 54.5957, 42.0963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8978, 74.2925, 29.9010 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(73, 255, 120)` looks like.

```
.text, #text, p{  
    color:rgb(73, 255, 120)  
}
```

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(73, 255, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 255, 120) }
```

Border

The CSS property to change the border of an element to XYZ 41.8978, 74.2925, 29.9010 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(73, 255, 120) }
```


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

```
.border{ border-color:rgb(73, 255, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 255, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 255, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 255, 120);  
box-shadow:4px 4px 4px 4px rgb(73, 255,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8978, 74.2925, 29.9010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 255, 120) }
```

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

```
.background{ background-color: rgb(73, 255,  
120) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor