

Converting Colors

XYZ(42.0536, 74.3864, 29.2970)

Have a look what the booklet for
XYZ(42.0536, 74.3864, 29.2970)
contains.

XYZ(42.0906, 74.4058, 29.2829)	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(42.0906, 74.4058,
29.2829)**

Conversions

Conversions Part 1

Format	Color
Hex	4DFF76
RGB	77, 255, 118
RGB Percent	30%, 100%, 46%
CMY	0.6980, 0.0000, 0.5372
CMYK	0.70, 0.00, 0.54, 0.00
HSL	134°, 100%, 65%
HSV	134°, 70%, 100%
XYZ	42.0906, 74.4058, 29.2829
YIQ	186.1600, -62.1110, -80.3430

Conversions

Conversions Part 2

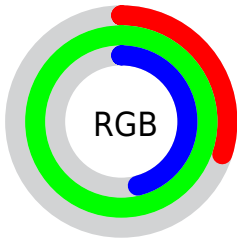
Format	Color
RYB	77, 222, 255
Decimal	5111670
CIELab	89.11, -71.97, 52.13
CIELCh	89, 88.865, 144.079
Yxy	74.4058, 0.2887, 0.5104
Android (android.graphics.Color)	4283301750 (0xFF4DFF76)
YUV	186.1600, -33.6029, -95.7333
Hunter-Lab	86.2588, -63.8525, 40.2536

Details

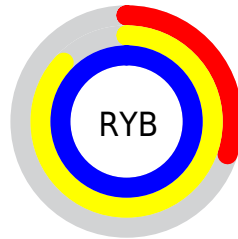
The XYZ color **42.0906, 74.4058, 29.2829** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle washed spring green. A complement of this color would be **56.0314, 31.4230, 66.7292**, and the grayscale version is **46.9695, 49.4155, 53.8135**.

A 20% lighter version of the original color is **55.1569, 80.6481, 52.1947**, and **20.9204, 40.3142, 11.6798** is the 20% darker color. If you saturate the color by 10%, you get **39.3732, 73.1259, 23.6885**, and if you desaturate by 10%, it is **45.8572, 76.1985, 36.1954**.

Distribution



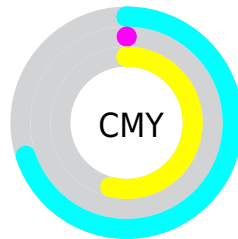
- Red (30%)
- Green (100%)
- Blue (46%)



- Red (30%)
- Yellow (87%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (54%)
- Black (0%)





- Cyan (70%)
- Magenta (0%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0906, 74.4058, 29.2829 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 42.0906, 74.4058, 29.2829 by changing the saturation by 10% instead.


 42.0906, 74.4058,
29.2829


 42.0906, 74.4058,
29.2829


345.8436,
475.8727, 312.6500


 29.3637, 55.1262,
19.0475


 77.6010, 125.4709,
59.5738


 19.5018, 39.5028,
11.5275


 101.1152,
158.0252, 80.4664

 12.1395, 27.1511,
6.3042


 128.9559,
195.7732, 105.7485

 6.9117, 17.6867,
2.9591

 161.4884,
239.0993, 135.8386

 3.4528, 10.7253,
1.0738

199.0780,
288.3880, 171.1552

 1.3975, 5.8824,
0.0000

242.0902,

 0.2544, 2.7737,

344.0235, 212.1170

0.0000

290.8903,
406.3903, 259.1424

■ 0.0000, 1.0148,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.0906, 74.4058,
29.2829

■ 42.0906, 74.4058,
29.2829

■ 39.3732, 73.1259,
23.6885

■ 45.8572, 76.1985,
36.1954

■ 37.5883, 72.3005,
19.3241

■ 50.7701, 78.5524,
44.4993

■ 36.5590, 71.8403,
16.0945

■ 56.9159, 81.5109,
54.2668

■ 36.5427, 71.8331,
16.0415

■ 64.3726, 85.1126,
65.5639

■ 73.2117, 89.3932,
78.4527

■ 83.4993, 94.3855,
92.9918

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.



55.0650, 74.4058, 13.6506



42.0906, 74.4058, 29.2829



36.8796, 74.4058, 69.3331

Triad

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



42.0906, 74.4058, 29.2829



66.5142, 74.4058, 266.7698



115.9214, 74.4058, 41.4706

Complementary

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



42.0906, 74.4058, 29.2829



56.0314, 31.4230, 66.7292

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.



120.7113, 74.4058, 93.9411



42.0906, 74.4058, 29.2829



89.0933, 74.4058, 245.7988

Square

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



42.0906, 74.4058, 29.2829



49.0090, 74.4058, 220.9242



110.0557, 74.4058, 172.9731



98.0502, 74.4058, 17.7548

Rectangle

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



42.0906, 74.4058, 29.2829



37.5496, 74.4058, 113.6018



110.0557, 74.4058, 172.9731



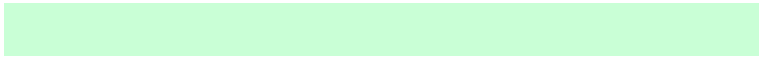
119.2490, 74.4058, 55.3449

Sweetspot

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



42.0910, 74.4060, 29.2841



72.0787, 88.8440, 76.8243



65.5469, 86.7209, 20.3057



14.8852, 18.7533, 15.6586



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.



42.0910, 74.4060, 29.2841



38.5180, 72.7279, 21.7121



49.7880, 77.4848, 69.8161



17.9429, 20.2367, 20.0026



19.1410, 37.5530, 8.6279



1.9033, 3.6723, 1.0487

Inverse Universe

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



56.0314, 31.4230, 66.7292



53.1252, 27.2718, 60.6395



47.7532, 28.1117, 23.1368



18.6031, 18.2246, 21.7932



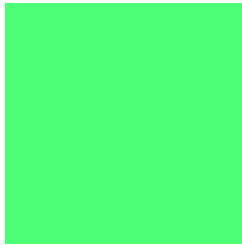
26.8306, 13.2215, 28.8222



2.6539, 1.3039, 3.0248

Previews

White Background



This preview shows how the XYZ color 42.0906, 74.4058, 29.2829 looks on a white background.

Color Contrast Check

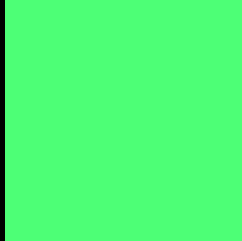
Large Text (above 18pt) WCAG AA × Fail

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 42.0906, 74.4058, 29.2829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

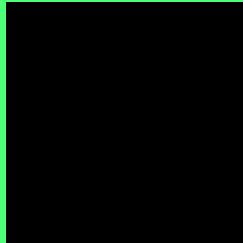
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.0906, 74.4058, 29.2829

Background



This preview shows how black text looks on a background with the XYZ color 42.0906, 74.4058, 29.2829.

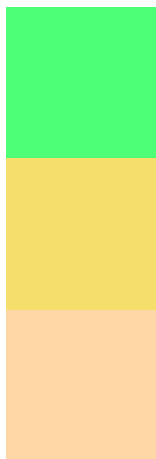


This preview shows how white text looks on a background with the XYZ color 42.0906, 74.4058,

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

42.0906, 74.4058, 29.2829

Protanopia

66.4313, 72.7166, 24.4443

Deuteranopia

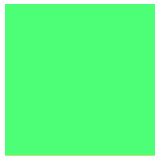
72.5155, 72.6509, 46.7603



Tritanopia

59.2720, 73.8580, 105.7398

Trichromacy



Original Color

42.0906, 74.4058, 29.2829



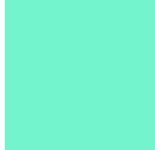
Protanomaly

52.0592, 70.1837, 25.8419



Deuteranomaly

54.9568, 69.7107, 38.9928



Tritanomaly

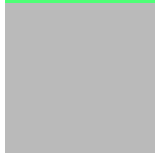
50.5726, 72.8221, 69.1482

Monochromacy



Original Color

42.0906, 74.4058, 29.2829



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

41.5813, 55.2727, 42.1953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0906, 74.4058, 29.2829 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(77, 255, 118)` looks like.

```
.text, #text, p{  
    color:rgb(77, 255, 118)  
}
```

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(77, 255, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 255, 118) }
```

Border

The CSS property to change the border of an element to XYZ 42.0906, 74.4058, 29.2829 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(77, 255, 118) }
```


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

```
.border{ border-color:rgb(77, 255, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 255, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 255, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 255, 118);  
box-shadow:4px 4px 4px 4px rgb(77, 255,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0906, 74.4058, 29.2829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 255, 118) }
```

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

```
.background{ background-color: rgb(77, 255,  
118) }
```

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