

Converting Colors

XYZ(42.4242, 74.6053, 28.0564)

Have a look what the booklet for
XYZ(42.4242, 74.6053, 28.0564)
contains.

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Color

**XYZ(42.4534, 74.6197,
28.0851)**

Conversions

Conversions Part 1

Format	Color
Hex	54FF72
RGB	84, 255, 114
RGB Percent	33%, 100%, 45%
CMY	0.6706, 0.0000, 0.5529
CMYK	0.67, 0.00, 0.55, 0.00
HSL	131°, 100%, 66%
HSV	131°, 67%, 100%
XYZ	42.4534, 74.6197, 28.0851
YIQ	187.7970, -56.6550, -80.1030

Conversions

Conversions Part 2

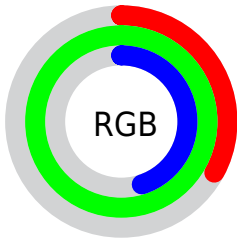
Format	Color
RYB	84, 229, 255
Decimal	5570418
CIELab	89.21, -71.31, 54.09
CIELCh	89, 89.503, 142.817
Yxy	74.6197, 0.2925, 0.5141
Android (android.graphics.Color)	4283760498 (0xFF54FF72)
YUV	187.7970, -36.3819, -91.0300
Hunter-Lab	86.3827, -63.4446, 41.1913

Details

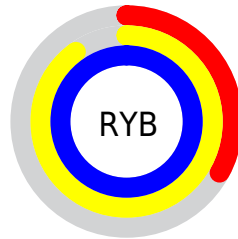
The XYZ color **42.4534, 74.6197, 28.0851** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted spring green. A complement of this color would be **58.0007, 33.0370, 74.5521**, and the grayscale version is **47.9078, 50.4027, 54.8886**.

A 20% lighter version of the original color is **55.6839, 80.9639, 50.2289**, and **20.7819, 40.2587, 10.9504** is the 20% darker color. If you saturate the color by 10%, you get **39.5090, 73.2246, 22.4022**, and if you desaturate by 10%, it is **46.5038, 76.5532, 35.2579**.

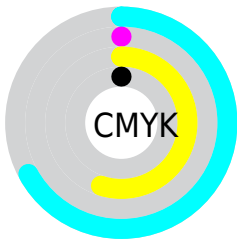
Distribution



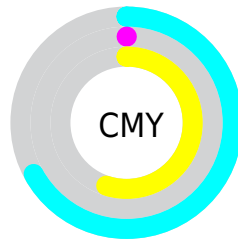
- Red (33%)
- Green (100%)
- Blue (45%)



- Red (33%)
- Yellow (90%)
- Blue (100%)



- Cyan (67%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)





- Cyan (67%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4534, 74.6197, 28.0851 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 42.4534, 74.6197, 28.0851 by changing the saturation by 10% instead.


 42.4534, 74.6197,
28.0851


 42.4534, 74.6197,
28.0851


347.3188,
476.6094, 306.7981


 29.6491, 55.3014,
18.1502


 78.1462, 125.7739,
57.6450


 19.7192, 39.6431,
10.8873


 101.7655,
158.3785, 78.1071

 12.2981, 27.2604,
5.8779

 129.7205,
196.1808, 102.9154

 7.0207, 17.7689,
2.7034


 162.3766,
239.5650, 132.4884

 3.5215, 10.7842,
0.9451

200.0991,
288.9156, 167.2446

 1.4352, 5.9219,
0.0000

243.2534,

 0.2811, 2.7976,

344.6169, 207.6026

0.0000

292.2048,
407.0534, 253.9809

0.0000, 1.0270,
0.0000

0.0000, 0.0000,
0.0000

42.4534, 74.6197,
28.0851

42.4534, 74.6197,
28.0851

39.5090, 73.2246,
22.4022

46.5038, 76.5532,
35.2579

37.5554, 72.3106,
18.1007

51.7574, 79.0732,
44.0120


36.4498, 71.8068,
15.0624

58.3016, 82.2229,
54.4354

36.2287, 71.7075,
14.3880

66.2155, 86.0415,
66.6089

 75.5716, 90.5646,
80.6076

 86.4374, 95.8255,
96.5027

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.



55.8545, 74.6197, 13.1682



42.4534, 74.6197, 28.0851



36.8870, 74.6197, 67.1189

Triad

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



42.4534, 74.6197, 28.0851



65.8015, 74.6197, 268.5031



117.0976, 74.6197, 42.9665

Complementary

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



42.4534, 74.6197, 28.0851



58.0007, 33.0370, 74.5521

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.



121.2759, 74.6197, 97.2330



42.4534, 74.6197, 28.0851



88.4855, 74.6197, 250.1535

Square

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



42.4534, 74.6197, 28.0851



48.4521, 74.6197, 219.6580



109.9147, 74.6197, 177.7568



99.4495, 74.6197, 18.1633

Rectangle

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



42.4534, 74.6197, 28.0851



37.3524, 74.6197, 110.9523



109.9147, 74.6197, 177.7568



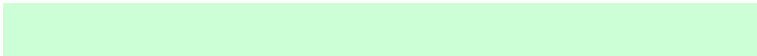
120.2541, 74.6197, 57.3838

Sweetspot

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



42.4538, 74.6199, 28.0863



72.6655, 89.1588, 76.2958



68.8814, 88.4099, 21.8222



14.9849, 18.8088, 15.4811



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.



42.4538, 74.6199, 28.0863



38.8371, 72.9085, 20.9983



49.6094, 77.4821, 65.7672



17.9016, 20.2202, 19.7850



18.9677, 37.4837, 7.7154



1.8808, 3.6633, 0.9302

Inverse Universe

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



58.0007, 33.0370, 74.5521



55.2373, 28.7530, 69.7995



49.2182, 29.5240, 28.3043



18.6478, 18.2424, 22.0285



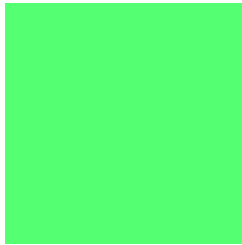
27.6940, 13.5669, 33.3690



2.7308, 1.3347, 3.4296

Previews

White Background



This preview shows how the XYZ color 42.4534, 74.6197, 28.0851 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 42.4534, 74.6197, 28.0851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

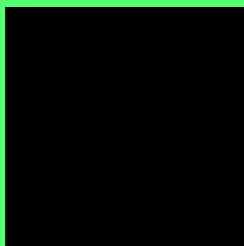
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

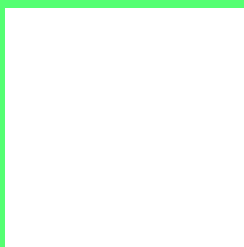
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.4534, 74.6197, 28.0851

Background



This preview shows how black text looks on a background with the XYZ color 42.4534, 74.6197, 28.0851.

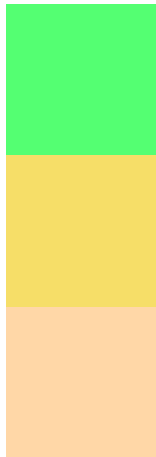


This preview shows how white text looks on a background with the XYZ color 42.4534, 74.6197,

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

42.4534, 74.6197, 28.0851

Protanopia

66.6260, 72.8349, 23.6437

Deuteranopia

72.5155, 72.6509, 46.7603



Tritanopia

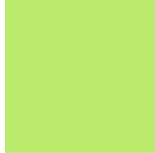
59.7799, 74.1199, 105.7636

Trichromacy



Original Color

42.4534, 74.6197, 28.0851



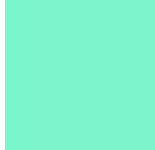
Protanomaly

52.6231, 70.4931, 25.0204



Deuteranomaly

55.6344, 70.0692, 38.6094



Tritanomaly

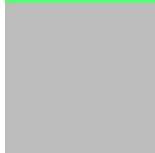
51.1349, 73.1259, 68.5464

Monochromacy



Original Color

42.4534, 74.6197, 28.0851



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

42.5542, 56.1442, 42.3123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4534, 74.6197, 28.0851 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(84, 255, 114)` looks like.

```
.text, #text, p{  
    color:rgb(84, 255, 114)  
}
```

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(84, 255, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 255, 114) }
```

Border

The CSS property to change the border of an element to XYZ 42.4534, 74.6197, 28.0851 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(84, 255, 114) }
```


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

```
.border{ border-color:rgb(84, 255, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 255, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 255, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 255, 114);  
box-shadow:4px 4px 4px 4px rgb(84, 255,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4534, 74.6197, 28.0851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 255, 114) }
```

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

```
.background{ background-color: rgb(84, 255,  
114) }
```

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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