

Converting Colors

XYZ(42.8326, 74.9173, 23.4899)

Have a look what the booklet for
XYZ(42.8326, 74.9173, 23.4899)
contains.

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Color

**XYZ(42.8474, 74.9245,
23.5128)**

Conversions

Conversions Part 1

Format	Color
Hex	61FF61
RGB	97, 255, 97
RGB Percent	38%, 100%, 38%
CMY	0.6196, 0.0000, 0.6196
CMYK	0.62, 0.00, 0.62, 0.00
HSL	120°, 100%, 69%
HSV	120°, 62%, 100%
XYZ	42.8474, 74.9245, 23.5128
YIQ	189.7460, -43.4500, -82.6340

Conversions

Conversions Part 2

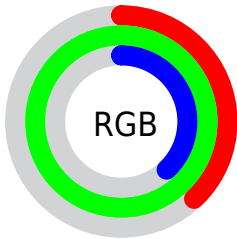
Format	Color
RYB	97, 255, 255
Decimal	6422369
CIELab	89.36, -70.75, 61.66
CIELCh	89, 93.846, 138.925
Yxy	74.9245, 0.3033, 0.5303
Android (android.graphics.Color)	4284612449 (0xFF61FF61)
YUV	189.7460, -45.7238, -81.3382
Hunter-Lab	86.5589, -63.1191, 44.4858

Details

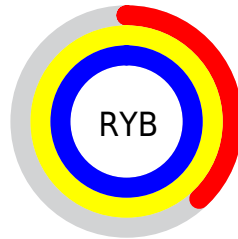
The XYZ color **42.8474, 74.9245, 23.5128** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **63.5640, 37.0291, 98.4011**, and the grayscale version is **49.0700, 51.6254, 56.2201**.

A 20% lighter version of the original color is **56.4101, 81.5013, 42.8952**, and **20.3161, 40.0724, 8.4977** is the 20% darker color. If you saturate the color by 10%, you get **39.5490, 73.3400, 18.1182**, and if you desaturate by 10%, it is **47.4012, 77.1118, 30.9622**.

Distribution



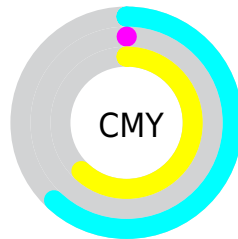
- Red (38%)
- Green (100%)
- Blue (38%)



- Red (38%)
- Yellow (100%)
- Blue (100%)



- Cyan (62%)
- Magenta (0%)
- Yellow (62%)
- Black (0%)





- Cyan (62%)
- Magenta (0%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8474, 74.9245, 23.5128 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 42.8474, 74.9245, 23.5128 by changing the saturation by 10% instead.


 42.8474, 74.9245,
23.5128

 42.8474, 74.9245,
23.5128


348.9160,
477.6580, 283.5548

 29.9594, 55.5510,
14.7638


 78.7377, 126.2055,
50.1678


 19.9557, 39.8431,
8.5090


 102.4707,
158.8818, 68.9109

 12.4709, 27.4162,
4.3299


 130.5494,
196.7612, 91.8223

 7.1397, 17.8861,
1.8080

 163.3391,
240.2280, 119.3207

 3.5967, 10.8682,
0.4332

201.2053,
289.6668, 151.8247

 1.4766, 5.9783,
0.0000

244.5133,

 0.3098, 2.8319,

345.4617, 189.7526

0.0000

293.6284,
407.9974, 233.5232

0.0000, 1.0446,
0.0000

0.0000, 0.0000,
0.0000

42.8474, 74.9245,
23.5128

42.8474, 74.9245,
23.5128

39.5490, 73.3400,
18.1182

47.4012, 77.1118,
30.9622

37.3800, 72.2981,
14.5702


53.3183, 79.9541,
40.6408

36.1896, 71.7264,
12.6229

60.6959, 83.4980,
52.7082

35.7600, 71.5200,
11.9202

69.6222, 87.7857,
67.3087

 80.1783, 92.8564,
84.5750

 92.4397, 98.7461,
104.6305

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.



57.8330, 74.9245, 10.9047



42.8474, 74.9245, 23.5128



36.0796, 74.9245, 59.6222

Triad

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



42.8474, 74.9245, 23.5128



63.0648, 74.9245, 279.2077



121.6716, 74.9245, 47.0597

Complementary

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



42.8474, 74.9245, 23.5128



63.5640, 37.0291, 98.4011

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.



123.9209, 74.9245, 108.3587



42.8474, 74.9245, 23.5128



86.5133, 74.9245, 269.1567

Square

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



42.8474, 74.9245, 23.5128



45.9659, 74.9245, 218.8365



109.9490, 74.9245, 196.0477



104.3384, 74.9245, 18.5666

Rectangle

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



42.8474, 74.9245, 23.5128



35.8970, 74.9245, 102.8098



109.9490, 74.9245, 196.0477



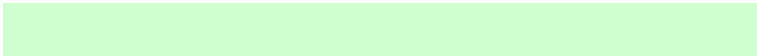
124.3376, 74.9245, 63.4946

Sweetspot

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



42.8477, 74.9245, 23.5140



72.5743, 89.2038, 72.1373



79.1577, 93.6431, 25.2121



14.9229, 18.7998, 14.4411



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.



42.8477, 74.9245, 23.5140



39.0194, 73.0857, 17.2520



48.5262, 77.1960, 53.4170



17.7717, 20.1682, 19.1006



18.6854, 37.3708, 6.2286



1.8193, 3.6387, 0.6065

Inverse Universe

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



63.5640, 37.0291, 98.4011



61.2549, 32.4112, 97.6307



53.3512, 32.9440, 44.6212



18.7927, 18.3004, 22.7917



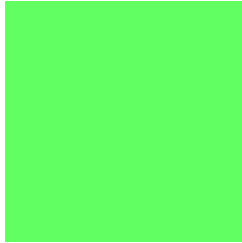
30.9797, 14.8812, 50.6710



3.0164, 1.4489, 4.9337

Previews

White Background



This preview shows how the XYZ color 42.8474, 74.9245, 23.5128 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 42.8474, 74.9245, 23.5128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

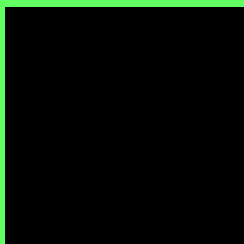
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.8474, 74.9245, 23.5128

Background



This preview shows how black text looks on a background with the XYZ color 42.8474, 74.9245, 23.5128.

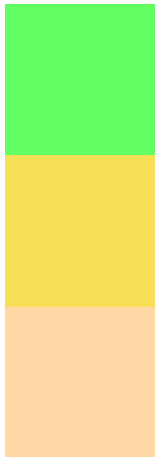


This preview shows how white text looks on a background with the XYZ color 42.8474, 74.9245,

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

42.8474, 74.9245, 23.5128

Protanopia

66.8605, 73.4364, 19.8832

Deuteranopia

72.6788, 73.1249, 46.3603



Tritanopia

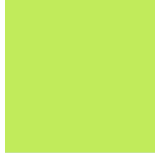
60.5469, 74.0843, 105.7163

Trichromacy



Original Color

42.8474, 74.9245, 23.5128



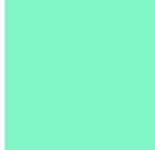
Protanomaly

53.5890, 71.5094, 20.8758



Deuteranomaly

56.3932, 70.5225, 35.8393



Tritanomaly

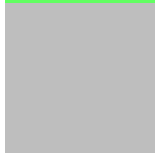
51.5970, 73.4457, 64.8831

Monochromacy



Original Color

42.8474, 74.9245, 23.5128



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

43.7576, 57.5614, 40.2567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8474, 74.9245, 23.5128 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(97, 255, 97)` looks like.

```
.text, #text, p{  
    color:rgb(97, 255, 97)  
}
```

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(97, 255, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 255, 97) }
```

Border

The CSS property to change the border of an element to XYZ 42.8474, 74.9245, 23.5128 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(97, 255, 97) }
```


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

```
.border{ border-color:rgb(97, 255, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 255, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 255, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 255, 97);  
box-shadow:4px 4px 4px 4px rgb(97, 255,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8474, 74.9245, 23.5128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 255, 97) }
```

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

```
.background{ background-color: rgb(97, 255,  
97) }
```

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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