

Converting Colors

XYZ(42.7499, 74.3414, 39.0335)

Have a look what the booklet for
XYZ(42.7499, 74.3414, 39.0335)
contains.

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Color

**XYZ(42.8574, 74.5885,
38.9263)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 3EFF91 |
| RGB | 62, 255, 145 |
| RGB Percent | 24%, 100%, 57% |
| CMY | 0.7569, 0.0000, 0.4314 |
| CMYK | 0.76, 0.00, 0.43, 0.00 |
| HSL | 146°, 100%, 62% |
| HSV | 146°, 76%, 100% |
| XYZ | 42.8574, 74.5885, 38.9263 |
| YIQ | 184.7530, -79.7180, -75.1260 |

Conversions

Conversions Part 2

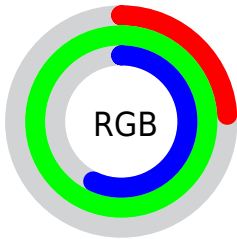
| Format | Color |
|-------------------------------------|---|
| RYB | 62, 197, 255 |
| Decimal | 4128657 |
| CIELab | 89.20, -70.04, 39.43 |
| CIELCh | 89, 80.374, 150.619 |
| Yxy | 74.5885, 0.2741, 0.4770 |
| Android (android.graphics.Color) | 4282318737 (0xFF3EFF91) |
| YUV | 184.7530, -19.5982, -107.6544 |
| Hunter-Lab | 86.3646, -62.5597, 33.7320 |

Details

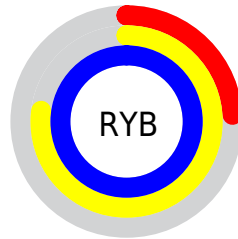
The XYZ color **42.8574, 74.5885, 38.9263** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **50.4091, 27.6841, 41.7162**, and the grayscale version is **46.1141, 48.5157, 52.8336**.

A 20% lighter version of the original color is **56.3387, 80.9244, 67.2942**, and **21.9420, 40.7228, 17.0598** is the 20% darker color. If you saturate the color by 10%, you get **40.5661, 73.5285, 33.3391**, and if you desaturate by 10%, it is **46.0423, 76.0924, 45.3062**.

Distribution



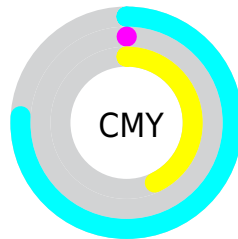
- Red (24%)
- Green (100%)
- Blue (57%)



- Red (24%)
- Yellow (77%)
- Blue (100%)



- Cyan (76%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)




- Cyan (76%)
- Magenta (0%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8574, 74.5885, 38.9263 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 42.8574, 74.5885, 38.9263 by changing the saturation by 10% instead.


 42.8574, 74.5885,
38.9263

 42.8574, 74.5885,
38.9263


348.9565,
476.5020, 356.9937


 29.9673, 55.2758,
26.3950


 78.7527, 125.7297,
74.7448


 19.9617, 39.6226,
16.8910


 102.4886,
158.3270, 98.8691

 12.4753, 27.2444,
9.9957

 130.5704,
196.1214, 127.6948

 7.1427, 17.7569,
5.2905

 163.3635,
239.4971, 161.6405

 3.5987, 10.7756,
2.3570

201.2334,
288.8386, 201.1247

 1.4777, 5.9161,
0.7629

244.5452,

 0.3106, 2.7942,

344.5304, 246.5659

0.0000

293.6645,
406.9567, 298.3827

■ 0.0000, 1.0252,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.8574, 74.5885,
38.9263

■ 42.8574, 74.5885,
38.9263

■ 40.5661, 73.5285,
33.3391

■ 46.0423, 76.0924,
45.3062

■ 39.0467, 72.8506,
28.5071

■ 50.2172, 78.0896,
52.5063

■ 38.5563, 72.6385,
26.6450

■ 55.4669, 80.6232,
60.5572

■ 61.8662, 83.7311,
69.4866

■ 69.4830, 87.4479,
79.3208

■ 78.3796, 91.8053,
90.0850

■ 88.6141, 96.8326,
101.8035

■ 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.



53.3748, 74.5885, 19.2301



42.8574, 74.5885, 38.9263



39.4848, 74.5885, 82.3859

Triad

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



42.8574, 74.5885, 38.9263



71.3021, 74.5885, 244.0738



108.5363, 74.5885, 37.7023

Complementary

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



42.8574, 74.5885, 38.9263



50.4091, 27.6841, 41.7162

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.



115.6659, 74.5885, 80.0537



42.8574, 74.5885, 38.9263



91.8802, 74.5885, 214.0604

Square

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



42.8574, 74.5885, 38.9263



53.9606, 74.5885, 216.2931



109.0781, 74.5885, 146.5336



91.0444, 74.5885, 18.7873

Rectangle

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



42.8574, 74.5885, 38.9263



41.1406, 74.5885, 125.4752



109.0781, 74.5885, 146.5336



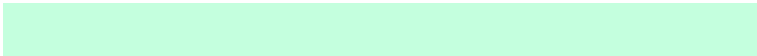
112.3544, 74.5885, 48.8188

Sweetspot

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



42.8579, 74.5887, 38.9275



71.7437, 88.5538, 82.1189



54.2156, 80.9338, 17.3221



14.7097, 18.6380, 16.7744



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.



42.8579, 74.5887, 38.9275



39.6714, 73.1253, 30.6791



53.3145, 78.7713, 93.9914



18.0959, 20.2979, 20.8077



20.2179, 37.9837, 14.2984



2.0220, 3.7197, 1.6738

Inverse Universe

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



50.4091, 27.6841, 41.7162



47.4790, 24.2442, 33.2777



44.3410, 25.2568, 9.7619



18.4432, 18.1606, 20.9511



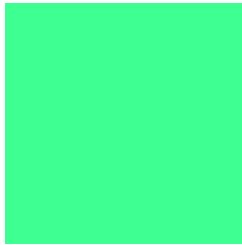
24.3092, 12.2130, 15.5444



2.4217, 1.2110, 1.8020

Previews

White Background



This preview shows how the XYZ color 42.8574, 74.5885, 38.9263 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 42.8574, 74.5885, 38.9263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

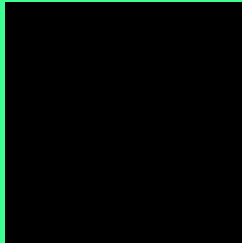
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.8574, 74.5885, 38.9263

Background



This preview shows how black text looks on a background with the XYZ color 42.8574, 74.5885, 38.9263.

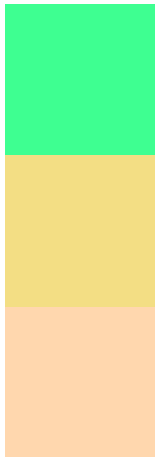


This preview shows how white text looks on a background with the XYZ color 42.8574, 74.5885,

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

42.8574, 74.5885, 38.9263

Protanopia

67.2483, 72.9632, 32.3687

Deuteranopia

73.1804, 72.9169, 50.2617



Tritanopia

58.9411, 73.6874, 105.7243

Trichromacy



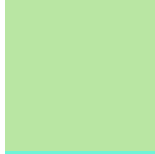
Original Color

42.8574, 74.5885, 38.9263



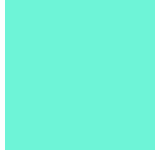
Protanomaly

52.0696, 69.9989, 34.4337



Deuteranomaly

54.9153, 69.5523, 45.1809



Tritanomaly

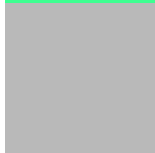
51.0468, 72.9227, 75.6750

Monochromacy



Original Color

42.8574, 74.5885, 38.9263



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

41.1175, 54.5709, 46.3963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8574, 74.5885, 38.9263 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(62, 255, 145)` looks like.

```
.text, #text, p{  
    color:rgb(62, 255, 145)  
}
```

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(62, 255, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 255, 145) }
```

Border

The CSS property to change the border of an element to XYZ 42.8574, 74.5885, 38.9263 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(62, 255, 145) }
```


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

```
.border{ border-color:rgb(62, 255, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 255, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 255, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 255, 145);  
box-shadow:4px 4px 4px 4px rgb(62, 255,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8574, 74.5885, 38.9263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 255, 145) }
```

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

```
.background{ background-color: rgb(62, 255,  
145) }
```

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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