

Converting Colors

XYZ(42.9332, 64.2443, 33.3884)

Have a look what the booklet for
XYZ(42.9332, 64.2443, 33.3884)
contains.

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Color

**XYZ(42.8514, 63.9977,
33.3868)**

Conversions

Conversions Part 1

Format	Color
Hex	86E788
RGB	134, 231, 136
RGB Percent	53%, 91%, 53%
CMY	0.4745, 0.0941, 0.4667
CMYK	0.42, 0.00, 0.41, 0.09
HSL	121°, 67%, 72%
HSV	121°, 42%, 91%
XYZ	42.8514, 63.9977, 33.3868
YIQ	191.1670, -27.3170, -50.1090

Conversions

Conversions Part 2

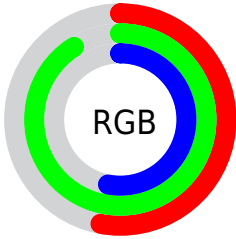
Format	Color
RYB	134, 229, 231
Decimal	8841096
CIELab	83.96, -47.49, 37.49
CIElCh	84, 60.501, 141.712
Yxy	63.9977, 0.3056, 0.4564
Android (android.graphics.Color)	4287031176 (0xFF86E788)
YUV	191.1670, -27.1973, -50.1355
Hunter-Lab	79.9986, -44.3836, 31.2548

Details

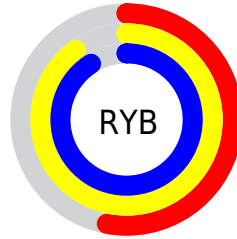
The XYZ color **42.8514, 63.9977, 33.3868** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **55.6250, 39.6976, 78.8618**, and the grayscale version is **49.7838, 52.3764, 57.0380**.

A 20% lighter version of the original color is **66.5401, 86.3141, 61.8684**, and **20.0302, 32.8936, 13.8877** is the 20% darker color. If you saturate the color by 10%, you get **38.1222, 61.7282, 25.6403**, and if you desaturate by 10%, it is **48.7273, 66.8229, 42.9611**.

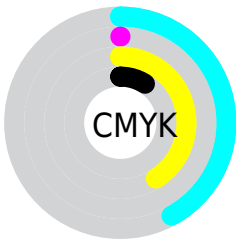
Distribution



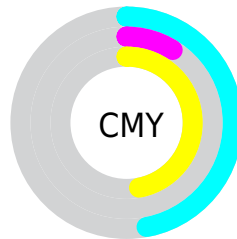
- Red (53%)
- Green (91%)
- Blue (53%)



- Red (53%)
- Yellow (90%)
- Blue (91%)



- Cyan (42%)
- Magenta (0%)
- Yellow (41%)
- Black (9%)



- Cyan (47%)
- Magenta (9%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8514, 63.9977, 33.3868 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 42.8514, 63.9977, 33.3868 by changing the saturation by 10% instead.

42.8514, 63.9977,
33.3868

42.8514, 63.9977,
33.3868

348.9322,
439.1813, 332.0744

29.9626, 46.6488,
22.1494

78.7437, 110.6076,
66.1019

19.9581, 32.7581,
13.7673

102.4778,
140.6374, 88.4167

12.4727, 21.9412,
7.8221

130.5578,
175.6630, 115.2610

7.1409, 13.8137,
3.8952

163.3489,
216.0688, 147.0534

3.5975, 7.9912,
1.5680

201.2166,
262.2391, 184.2123

1.4771, 4.0893,
0.2679

244.5261,

0.3101, 1.7237,

314.5584, 227.1565

0.0000

293.6428,
373.4110, 276.3043

■ 0.0000, 0.4389,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.8514, 63.9977,
33.3868

■ 42.8514, 63.9977,
33.3868

■ 38.1222, 61.7282,
25.6403

■ 48.7273, 66.8229,
42.9611

■ 34.4606, 59.9704,
19.6013


■ 55.8129, 70.2284,
54.4646


■ 31.7847, 58.6869,
15.1423


■ 64.1723, 74.2470,
67.9965


■ 29.9992, 57.8315,
12.1156

■ 73.8637, 78.9067,
83.6479

 28.9895, 57.3491,
10.3461

 84.9418, 84.2339,
101.5042

 28.6033, 57.1647,
9.6632

 87.8671, 85.6343,
106.5057

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.8327, 63.9977, 21.3237



42.8514, 63.9977, 33.3868



38.8325, 63.9977, 59.6312

Triad

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



42.8514, 63.9977, 33.3868



57.2087, 63.9977, 170.4426



87.8733, 63.9977, 45.9082

Complementary

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



42.8514, 63.9977, 33.3868



55.6250, 39.6976, 78.8618

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.



89.8693, 63.9977, 80.8045



42.8514, 63.9977, 33.3868



70.8078, 63.9977, 162.5090

Square

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



42.8514, 63.9977, 33.3868



46.2929, 63.9977, 144.6079



83.2374, 63.9977, 125.7573



78.1254, 63.9977, 26.4968

Rectangle

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



42.8514, 63.9977, 33.3868



39.0300, 63.9977, 85.6655



83.2374, 63.9977, 125.7573



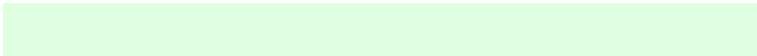
89.5248, 63.9977, 55.8226

Sweetspot

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



42.8530, 64.0004, 33.3882



79.0948, 92.3285, 83.1354



65.3173, 75.5974, 33.7040



16.4109, 19.5128, 16.9554



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.



42.8530, 64.0004, 33.3882



48.6251, 77.6857, 33.5970



47.0732, 65.6885, 55.6113



14.2013, 16.0940, 15.3250



16.0402, 32.0482, 5.4463



1.1896, 2.3700, 0.4250

Inverse Universe

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



55.6250, 39.6976, 78.8618



66.5235, 43.6200, 97.3163



49.8105, 37.3718, 48.2430



14.9816, 14.6098, 18.1036



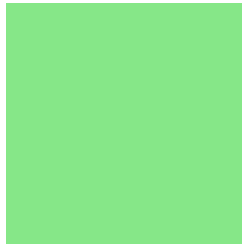
26.1950, 12.6122, 41.5174



1.9398, 0.9336, 3.0897

Previews

White Background



This preview shows how the XYZ color 42.8514, 63.9977, 33.3868 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 42.8514, 63.9977, 33.3868 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 42.8514, 63.9977, 33.3868

Background



This preview shows how black text looks on a background with the XYZ color 42.8514, 63.9977, 33.3868.



This preview shows how white text looks on a background with the XYZ color 42.8514, 63.9977,

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

42.8514, 63.9977, 33.3868

Protanopia

58.0652, 62.9749, 29.1737

Deuteranopia

64.4483, 62.9698, 34.7442



Tritanopia

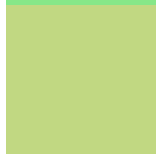
53.9440, 63.6475, 89.5628

Trichromacy



Original Color

42.8514, 63.9977, 33.3868



Protanomaly

50.5775, 62.0609, 30.4323



Deuteranomaly

53.7600, 61.7474, 33.8959



Tritanomaly

48.8456, 63.1485, 64.2580

Monochromacy



Original Color

42.8514, 63.9977, 33.3868



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

45.9996, 55.6289, 46.8411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8514, 63.9977, 33.3868 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(134, 231, 136)` looks like.

```
.text, #text, p{  
    color:rgb(134, 231, 136)  
}
```

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(134, 231, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 231, 136) }
```

Border

The CSS property to change the border of an element to XYZ 42.8514, 63.9977, 33.3868 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(134, 231, 136) }
```


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

```
.border{ border-color:rgb(134, 231, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 231, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 231, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 231, 136);  
box-shadow:4px 4px 4px 4px rgb(134, 231,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8514, 63.9977, 33.3868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 231, 136) }
```

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

```
.background{ background-color: rgb(134,  
231, 136) }
```

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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