

Converting Colors

XYZ(42.0954, 64.4127, 31.1864)

Have a look what the booklet for
XYZ(42.0954, 64.4127, 31.1864)
contains.

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Color

**XYZ(42.2214, 64.5567,
31.3545)**

Conversions

Conversions Part 1

Format	Color
Hex	81E982
RGB	129, 233, 130
RGB Percent	51%, 91%, 51%
CMY	0.4941, 0.0863, 0.4902
CMYK	0.45, 0.00, 0.44, 0.09
HSL	121°, 70%, 71%
HSV	121°, 45%, 91%
XYZ	42.2214, 64.5567, 31.3545
YIQ	190.1620, -28.9210, -54.0810

Conversions

Conversions Part 2

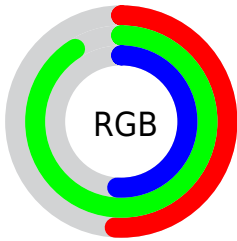
Format	Color
RYB	129, 232, 233
Decimal	8513922
CIELab	84.25, -50.63, 40.78
CIElCh	84, 65.009, 141.147
Yxy	64.5567, 0.3057, 0.4674
Android (android.graphics.Color)	4286704002 (0xFF81E982)
YUV	190.1620, -29.6599, -53.6391
Hunter-Lab	80.3472, -46.8081, 33.1058

Details

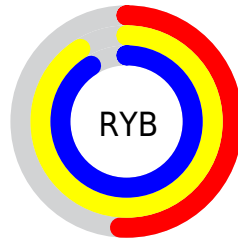
The XYZ color **42.2214, 64.5567, 31.3545** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **56.0219, 38.8514, 80.8919**, and the grayscale version is **49.2158, 51.7788, 56.3872**.

A 20% lighter version of the original color is **64.9052, 85.5455, 58.4385**, and **19.4990, 32.9403, 12.5381** is the 20% darker color. If you saturate the color by 10%, you get **37.6985, 62.3863, 23.9446**, and if you desaturate by 10%, it is **47.9018, 67.2874, 40.6342**.

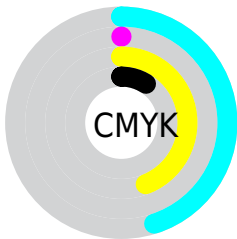
Distribution



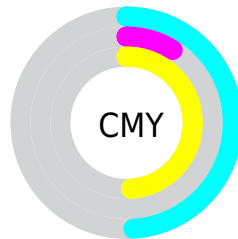
- Red (51%)
- Green (91%)
- Blue (51%)



- Red (51%)
- Yellow (91%)
- Blue (91%)



- Cyan (45%)
- Magenta (0%)
- Yellow (44%)
- Black (9%)



- Cyan (49%)
- Magenta (9%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2214, 64.5567, 31.3545 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 42.2214, 64.5567, 31.3545 by changing the saturation by 10% instead.

42.2214, 64.5567,
31.3545

42.2214, 64.5567,
31.3545

346.3759,
441.1972, 322.5698

29.4666, 47.1017,
20.6082

77.7977, 111.4123,
62.8839

19.5801, 33.1161,
12.6495

101.3498,
141.5817, 84.5040

12.1967, 22.2154,
7.0597

129.2317,
176.7580, 110.5859

6.9509, 14.0152,
3.4205

161.8088,
217.3256, 141.5480

3.4775, 8.1313,
1.3131

199.4464,
263.6690, 177.8089

1.4110, 4.1791,
0.0725

242.5099,

0.2640, 1.7742,

316.1724, 219.7872

0.0000

291.3646,
375.2204, 267.9013

■ 0.0000, 0.4710,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.2214, 64.5567,
31.3545

■ 42.2214, 64.5567,
31.3545

■ 37.6985, 62.3863,
23.9446

■ 47.9018, 67.2874,
40.6342

■ 34.2492, 60.7300,
18.2739


■ 54.8065, 70.6049,
51.8941


■ 31.7860, 59.5478,
14.2018


■ 63.0030, 74.5434,
65.2410


■ 30.2058, 58.7899,
11.5640

■ 72.5523, 79.1324,
80.7729

 29.3825, 58.3957,
10.1609

 83.5119, 84.3994,
98.5816

 29.1525, 58.2854,
9.7782

 88.4302, 86.7605,
106.6934

Harmonies

Analogous

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



51.9011, 64.5567, 19.2356



42.2214, 64.5567, 31.3545



37.8626, 64.5567, 58.7791

Triad

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



42.2214, 64.5567, 31.3545



57.1955, 64.5567, 181.3832



90.9797, 64.5567, 45.3858

Complementary

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



42.2214, 64.5567, 31.3545



56.0219, 38.8514, 80.8919

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.



92.9904, 64.5567, 83.2162



42.2214, 64.5567, 31.3545



71.9017, 64.5567, 173.2375

Square

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



42.2214, 64.5567, 31.3545



45.5752, 64.5567, 151.9093



85.5501, 64.5567, 132.7039



80.4220, 64.5567, 24.8522

Rectangle

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



42.2214, 64.5567, 31.3545



38.0024, 64.5567, 86.7663



85.5501, 64.5567, 132.7039



92.7365, 64.5567, 56.0460

Sweetspot

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



42.2230, 64.5594, 31.3559



79.0458, 92.3089, 82.8777



66.7085, 77.1899, 32.1522



16.3990, 19.5080, 16.8930



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.



42.2230, 64.5594, 31.3559



46.4439, 76.6457, 29.6819



46.5343, 66.2839, 54.0589



14.8742, 16.8645, 16.0206



16.5436, 33.0719, 5.5617



1.3011, 2.5978, 0.4477

Inverse Universe

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



56.0219, 38.8514, 80.8919



65.4733, 41.1874, 97.9905



49.7969, 36.3613, 48.1113



15.7082, 15.3111, 19.0147



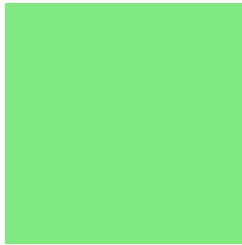
27.2353, 13.0968, 43.9021



2.1407, 1.0292, 3.4581

Previews

White Background



This preview shows how the XYZ color 42.2214, 64.5567, 31.3545 looks on a white background.

Color Contrast Check

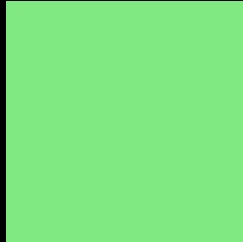
Large Text (above 18pt) WCAG AA × Fail

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 42.2214, 64.5567, 31.3545 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 42.2214, 64.5567, 31.3545

Background



This preview shows how black text looks on a background with the XYZ color 42.2214, 64.5567, 31.3545.



This preview shows how white text looks on a background with the XYZ color 42.2214, 64.5567,

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

42.2214, 64.5567, 31.3545

Protanopia

58.5648, 63.6394, 27.2861

Deuteranopia

65.0254, 63.6528, 32.9038



Tritanopia

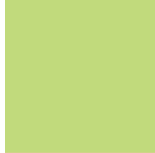
54.0516, 64.4653, 90.4831

Trichromacy



Original Color

42.2214, 64.5567, 31.3545



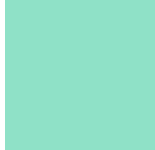
Protanomaly

50.7018, 62.9355, 28.5443



Deuteranomaly

53.6488, 62.1016, 32.0809



Tritanomaly

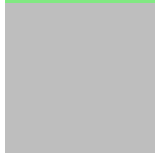
48.5617, 63.8136, 63.7906

Monochromacy



Original Color

42.2214, 64.5567, 31.3545



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

45.2876, 55.2946, 45.3318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2214, 64.5567, 31.3545 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(129, 233, 130)` looks like.

```
.text, #text, p{  
    color:rgb(129, 233, 130)  
}
```

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(129, 233, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 233, 130) }
```

Border

The CSS property to change the border of an element to XYZ 42.2214, 64.5567, 31.3545 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(129, 233, 130) }
```


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

```
.border{ border-color:rgb(129, 233, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 233, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 233, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 233, 130);  
box-shadow:4px 4px 4px 4px rgb(129, 233,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2214, 64.5567, 31.3545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 233, 130) }
```

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

```
.background{ background-color: rgb(129,  
233, 130) }
```

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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