

# Converting Colors

XYZ(41.2165, 62.9882, 35.3113)

Have a look what the booklet for  
XYZ(41.2165, 62.9882, 35.3113)  
contains.

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# Color

**XYZ(41.2688, 63.1399,  
35.2114)**

# Conversions

## Conversions Part 1

Format	Color
Hex	79E78D
RGB	121, 231, 141
RGB Percent	47%, 91%, 55%
CMY	0.5255, 0.0941, 0.4470
CMYK	0.48, 0.00, 0.39, 0.09
HSL	131°, 70%, 69%
HSV	131°, 48%, 91%
XYZ	41.2688, 63.1399, 35.2114
YIQ	187.8500, -36.6700, -51.3100

# Conversions

## Conversions Part 2

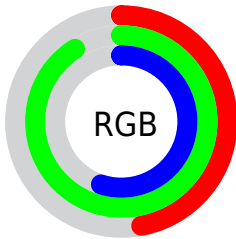
<b>Format</b>	<b>Color</b>
<b>RYB</b>	121, 214, 231
Decimal	7989133
CIELab	83.52, -50.33, 34.30
CIELCh	84, 60.909, 145.727
Yxy	63.1399, 0.2956, 0.4522
Android (android.graphics.Color)	4286179213 (0xFF79E78D)
YUV	187.8500, -23.0970, -58.6274
Hunter-Lab	79.4606, -46.3500, 29.3492

# Details

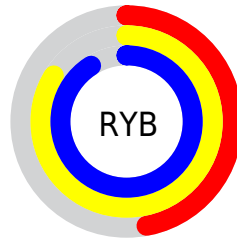
The XYZ color **41.2688, 63.1399, 35.2114** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **51.5522, 35.3680, 65.7398**, and the grayscale version is **47.8580, 50.3504, 54.8316**.

A 20% lighter version of the original color is **64.2007, 85.0438, 64.6611**, and **19.0999, 32.3902, 14.9181** is the 20% darker color. If you saturate the color by 10%, you get **37.1227, 61.1532, 28.2928**, and if you desaturate by 10%, it is **46.4332, 65.6274, 43.4332**.

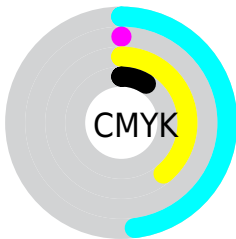
# Distribution



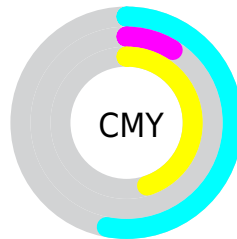
- Red (47%)
- Green (91%)
- Blue (55%)



- Red (47%)
- Yellow (84%)
- Blue (91%)



- Cyan (48%)
- Magenta (0%)
- Yellow (39%)
- Black (9%)



- Cyan (53%)
- Magenta (9%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2688, 63.1399, 35.2114 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 41.2688, 63.1399, 35.2114 by changing the saturation by 10% instead.



41.2688, 63.1399,  
35.2114

41.2688, 63.1399,  
35.2114

342.4862,  
436.0770, 340.4330

28.7178, 45.9544,  
23.5409

76.3639, 109.3713,  
68.9684

19.0106, 32.2098,  
14.7844

99.6387, 139.1860,  
91.8920

11.7820, 21.5218,  
8.5233

127.2188,  
173.9793, 119.4037

6.6666, 13.5060,  
4.3390

159.4695,  
214.1354, 151.9221

3.2989, 7.7779,  
1.8131

196.7563,  
260.0389, 189.8657

1.3137, 3.9531,  
0.4366

239.4444,

0.1935, 1.6474,

312.0740, 233.6530

0.0000

287.8993,  
370.6253, 283.7026

■ 0.0000, 0.3892,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 41.2688, 63.1399,  
35.2114

■ 41.2688, 63.1399,  
35.2114

■ 37.1227, 61.1532,  
28.2928

■ 46.4332, 65.6274,  
43.4332

■ 33.9216, 59.6255,  
22.6062


■ 52.6730, 68.6386,  
53.0158


■ 31.5900, 58.5213,  
18.0804


■ 60.0469, 72.2040,  
64.0187


■ 30.0384, 57.7961,  
14.6348


■ 68.6077, 76.3499,  
76.4965

 29.1491, 57.3910,  
12.1781

 78.4050, 81.1008,  
90.5010

 28.9951, 57.3215,  
11.7266

 87.7713, 85.5960,  
106.0011

 87.8672, 85.6343,  
106.5057

# Harmonies

## Analogous

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



49.5853, 63.1399, 21.6357



41.2688, 63.1399, 35.2114



37.9585, 63.1399, 63.4364

# Triad

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



41.2688, 63.1399, 35.2114



58.1279, 63.1399, 170.6568



86.1148, 63.1399, 41.6129

# Complementary

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



41.2688, 63.1399, 35.2114



51.5522, 35.3680, 65.7398

# 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.



89.2865, 63.1399, 74.3494



41.2688, 63.1399, 35.2114



71.8079, 63.1399, 158.0482

# Square

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



41.2688, 63.1399, 35.2114



46.7367, 63.1399, 148.7351



83.7142, 63.1399, 118.7704



75.5909, 63.1399, 24.2591



# Rectangle

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



41.2688, 63.1399, 35.2114



38.6151, 63.1399, 90.5647



83.7142, 63.1399, 118.7704



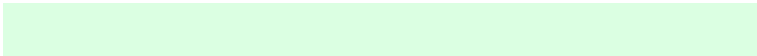
88.1369, 63.1399, 50.7516

# Sweetspot

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



41.2704, 63.1425, 35.2128



78.7626, 92.1062, 85.4283



59.3735, 72.6318, 28.9796



16.3789, 19.4824, 17.5824



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.



41.2704, 63.1425, 35.2128



46.5964, 76.5924, 35.6496



46.2380, 65.1296, 61.3717



14.2958, 16.1317, 15.8225



16.2870, 32.1469, 6.7457



1.2346, 2.3880, 0.6621



# Inverse Universe

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



51.5522, 35.3680, 65.7398



60.8614, 37.9697, 77.9369



45.9371, 33.1220, 36.1706



14.8768, 14.5679, 17.5515



23.6668, 11.6009, 28.2041

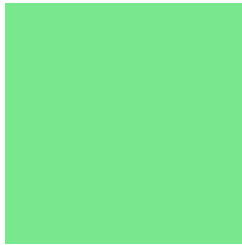


1.7783, 0.8690, 2.2390



# Previews

## White Background



This preview shows how the XYZ color 41.2688, 63.1399, 35.2114 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 41.2688, 63.1399, 35.2114 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 41.2688, 63.1399, 35.2114**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.2688, 63.1399, 35.2114.



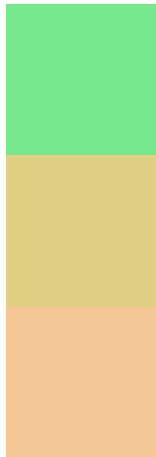
This preview shows how white text looks on a background with the XYZ color 41.2688, 63.1399,



# 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

41.2688, 63.1399, 35.2114

### Protanopia

57.4609, 62.2719, 30.4639

### Deuteranopia

63.2751, 61.9706, 37.0603



## Tritanopia

51.9453, 62.6171, 89.4693

# Trichromacy



## Original Color

41.2688, 63.1399, 35.2114



## Protanomaly

49.4226, 61.4258, 32.1732



## Deuteranomaly

52.0543, 60.4479, 36.1182



## Tritanomaly

47.0400, 62.1905, 65.4018

# Monochromacy



## Original Color

41.2688, 63.1399, 35.2114



## Achromatopsia

47.7994, 50.2886, 54.7643



## Achromatomaly

44.2534, 54.0185, 46.6223

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.2688, 63.1399, 35.2114 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(121, 231, 141)` looks like.

```
.text, #text, p{  
    color:rgb(121, 231, 141)  
}
```

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(121, 231, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 231, 141) }
```

## Border

The CSS property to change the border of an element to XYZ 41.2688, 63.1399, 35.2114 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(121, 231, 141) }
```



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

```
.border{ border-color:rgb(121, 231, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 231, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 231, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 231, 141);  
box-shadow:4px 4px 4px 4px rgb(121, 231,  
141) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.2688, 63.1399, 35.2114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 231, 141) }
```

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

```
.background{ background-color: rgb(121,  
231, 141) }
```

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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