

Converting Colors

XYZ(41.6217, 63.3304, 34.8412)

Have a look what the booklet for
XYZ(41.6217, 63.3304, 34.8412)
contains.

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Color

**XYZ(41.6217, 63.3304,
34.8412)**

Conversions

Conversions Part 1

Format	Color
Hex	7CE78C
RGB	124, 231, 140
RGB Percent	49%, 91%, 55%
CMY	0.5137, 0.0941, 0.4510
CMYK	0.46, 0.00, 0.39, 0.09
HSL	129°, 69%, 70%
HSV	129°, 46%, 91%
XYZ	41.6217, 63.3304, 34.8412
YIQ	188.6330, -34.5610, -50.9850

Conversions

Conversions Part 2

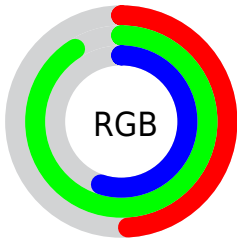
Format	Color
RYB	124, 217, 231
Decimal	8185740
CIELab	83.62, -49.69, 34.96
CIELCh	84, 60.752, 144.874
Yxy	63.3304, 0.2977, 0.4530
Android (android.graphics.Color)	4286375820 (0xFF7CE78C)
YUV	188.6330, -23.9761, -56.6831
Hunter-Lab	79.5804, -45.9076, 29.7484

Details

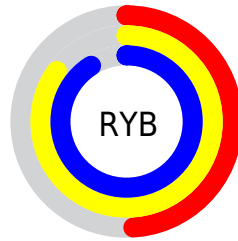
The XYZ color **41.6217, 63.3304, 34.8412** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **52.4304, 36.3117, 68.5375**, and the grayscale version is **48.3081, 50.8239, 55.3473**.

A 20% lighter version of the original color is **64.7890, 85.3601, 64.1003**, and **19.3131, 32.5050, 14.7074** is the 20% darker color. If you saturate the color by 10%, you get **37.3447, 61.2801, 27.7429**, and if you desaturate by 10%, it is **46.9424, 65.8926, 43.3411**.

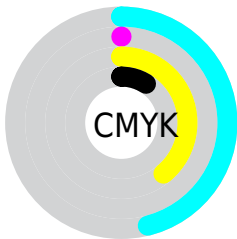
Distribution



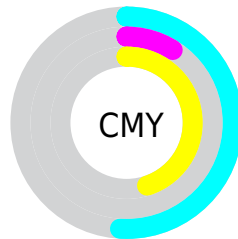
- Red (49%)
- Green (91%)
- Blue (55%)



- Red (49%)
- Yellow (85%)
- Blue (91%)



- Cyan (46%)
- Magenta (0%)
- Yellow (39%)
- Black (9%)





- Cyan (51%)
- Magenta (9%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6217, 63.3304, 34.8412 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 41.6217, 63.3304, 34.8412 by changing the saturation by 10% instead.


 41.6217, 63.3304,
34.8412

 41.6217, 63.3304,
34.8412


343.9307,
436.7676, 338.7498


 28.9950, 46.1086,
23.2580


 76.8955, 109.6460,
68.3885

 19.2213, 32.3315,
14.5770


 100.2734,
139.5086, 91.1896

 11.9352, 21.6148,
8.3798


 127.9656,
174.3536, 118.5672

 6.7715, 13.5742,
4.2477

160.3377,
214.5653, 150.9396

 3.3647, 7.8251,
1.7622

197.7548,
260.5281, 188.7256

 1.3494, 3.9832,
0.4028

240.5825,

 0.2197, 1.6642,

312.6265, 232.3436

0.0000

289.1860,
371.2449, 282.2121

■ 0.0000, 0.4003,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.6217, 63.3304,
34.8412

■ 41.6217, 63.3304,
34.8412

■ 37.3447, 61.2801,
27.7429

■ 46.9424, 65.8926,
43.3411

■ 34.0375, 59.6995,
21.9669


■ 53.3649, 68.9895,
53.3078


■ 31.6239, 58.5532,
17.4324


■ 60.9485, 72.6523,
64.8075


■ 30.0141, 57.7965,
14.0482

■ 69.7470, 76.9074,
77.9012

 29.0974, 57.3747,
11.7101

 79.8107, 81.7795,
92.6465

 28.8738, 57.2730,
11.0879

 87.8672, 85.6344,
106.5057

Harmonies

Analogous

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



50.0738, 63.3304, 21.5955



41.6217, 63.3304, 34.8412



38.1636, 63.3304, 62.6224

Triad

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



41.6217, 63.3304, 34.8412



57.9395, 63.3304, 170.5273



86.4761, 63.3304, 42.5302

Complementary

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



41.6217, 63.3304, 34.8412



52.4304, 36.3117, 68.5375

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.



89.3959, 63.3304, 75.7030



41.6217, 63.3304, 34.8412



71.5927, 63.3304, 158.9234

Square

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



41.6217, 63.3304, 34.8412



46.6571, 63.3304, 147.7865



83.6020, 63.3304, 120.2084



76.1238, 63.3304, 24.7532

Rectangle

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



41.6217, 63.3304, 34.8412



38.7227, 63.3304, 89.4957



83.6020, 63.3304, 120.2084



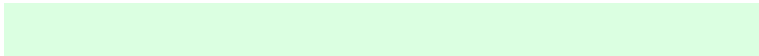
88.4181, 63.3304, 51.8271

Sweetspot

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



41.6233, 63.3330, 34.8426



78.6051, 92.0432, 84.5992



60.7526, 73.3211, 30.0195



16.3411, 19.4672, 17.3830



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.



41.6233, 63.3330, 34.8426



46.7396, 76.6867, 34.7303



46.3784, 65.2351, 59.8828



14.2767, 16.1241, 15.7220



16.2144, 32.1179, 6.3632



1.2256, 2.3844, 0.6146

Inverse Universe

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



52.4304, 36.3117, 68.5375



61.8566, 38.8127, 81.8065



46.7962, 34.0580, 38.8685



14.8976, 14.5762, 17.6611



24.1267, 11.7849, 30.6260



1.8082, 0.8810, 2.3963

Previews

White Background



This preview shows how the XYZ color 41.6217, 63.3304, 34.8412 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 41.6217, 63.3304, 34.8412 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

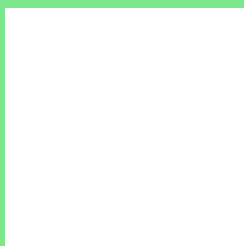
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.6217, 63.3304, 34.8412

Background



This preview shows how black text looks on a background with the XYZ color 41.6217, 63.3304, 34.8412.



This preview shows how white text looks on a background with the XYZ color 41.6217, 63.3304,

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

41.6217, 63.3304, 34.8412

Protanopia

57.7736, 62.4331, 30.4785

Deuteranopia

63.4666, 62.0876, 36.2428



Tritanopia

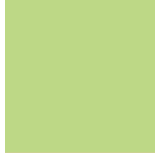
52.2946, 62.7972, 89.4856

Trichromacy



Original Color

41.6217, 63.3304, 34.8412



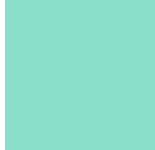
Protanomaly

49.8452, 61.6518, 31.8271



Deuteranomaly

52.4378, 60.6634, 35.3310



Tritanomaly

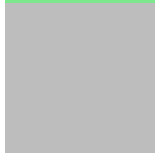
47.3649, 62.3580, 65.4170

Monochromacy



Original Color

41.6217, 63.3304, 34.8412



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

44.4606, 54.1253, 46.6320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6217, 63.3304, 34.8412 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(124, 231, 140)` looks like.

```
.text, #text, p{  
    color:rgb(124, 231, 140)  
}
```

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(124, 231, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 231, 140) }
```

Border

The CSS property to change the border of an element to XYZ 41.6217, 63.3304, 34.8412 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(124, 231, 140) }
```


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

```
.border{ border-color:rgb(124, 231, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 231, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 231, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 231, 140);  
box-shadow:4px 4px 4px 4px rgb(124, 231,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6217, 63.3304, 34.8412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 231, 140) }
```

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

```
.background{ background-color: rgb(124,  
231, 140) }
```

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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