

Converting Colors

XYZ(41.7715, 62.4251, 35.4905)

Have a look what the booklet for
XYZ(41.7715, 62.4251, 35.4905)
contains.

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Color

**XYZ(41.8039, 62.5808,
35.4672)**

Conversions

Conversions Part 1

Format	Color
Hex	80E58E
RGB	128, 229, 142
RGB Percent	50%, 90%, 56%
CMY	0.4980, 0.1019, 0.4431
CMYK	0.44, 0.00, 0.38, 0.10
HSL	128°, 66%, 70%
HSV	128°, 44%, 90%
XYZ	41.8039, 62.5808, 35.4672
YIQ	188.8830, -32.2690, -48.4690

Conversions

Conversions Part 2

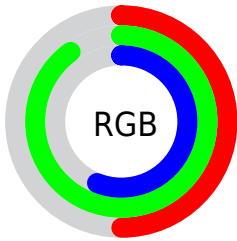
Format	Color
RYB	128, 217, 229
Decimal	8447374
CIELab	83.22, -47.43, 33.46
CIELCh	83, 58.048, 144.800
Yxy	62.5808, 0.2989, 0.4475
Android (android.graphics.Color)	4286637454 (0xFF80E58E)
YUV	188.8830, -23.1133, -53.3944
Hunter-Lab	79.1080, -44.1124, 28.7936

Details

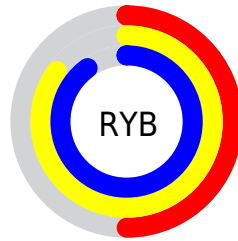
The XYZ color **41.8039, 62.5808, 35.4672** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **52.3000, 37.0039, 68.6781**, and the grayscale version is **48.4454, 50.9683, 55.5045**.

A 20% lighter version of the original color is **65.7314, 85.8198, 65.3250**, and **19.4304, 31.9821, 15.0466** is the 20% darker color. If you saturate the color by 10%, you get **37.3881, 60.4624, 28.2022**, and if you desaturate by 10%, it is **47.2623, 65.2099, 44.1518**.

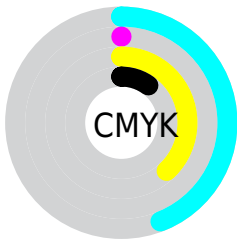
Distribution



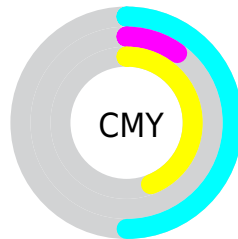
- Red (50%)
- Green (90%)
- Blue (56%)



- Red (50%)
- Yellow (85%)
- Blue (90%)



- Cyan (44%)
- Magenta (0%)
- Yellow (38%)
- Black (10%)





- Cyan (50%)
- Magenta (10%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8039, 62.5808, 35.4672 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 41.8039, 62.5808, 35.4672 by changing the saturation by 10% instead.


 41.8039, 62.5808,
35.4672

 41.8039, 62.5808,
35.4672


344.6749,
434.0465, 341.5924


 29.1382, 45.5022,
23.7366


 77.1698, 108.5645,
69.3687

 19.3302, 31.8531,
14.9279


 100.6007,
138.2384, 92.3766

 12.0145, 21.2494,
8.6228


 128.3507,
172.8794, 119.9806

 6.8259, 13.3064,
4.4025

160.7852,
212.8721, 152.5994

 3.3988, 7.6399,
1.8487

198.2695,
258.6007, 190.6515

 1.3680, 3.8654,
0.4598

241.1689,

 0.2332, 1.5985,

310.4497, 234.5553

0.0000

289.8490,
368.8035, 284.7294

■ 0.0000, 0.3566,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.8039, 62.5808,
35.4672

■ 41.8039, 62.5808,
35.4672

■ 37.3881, 60.4624,
28.2022

■ 47.2623, 65.2099,
44.1518

■ 33.9433, 58.8142,
22.2773


■ 53.8193, 68.3719,
54.3215


■ 31.3966, 57.6019,
17.6117


■ 61.5326, 72.0968,
66.0426


■ 29.6621, 56.7833,
14.1140

■ 70.4544, 76.4103,
79.3765

 28.6369, 56.3076,
11.6807

 80.6339, 81.3364,
94.3811

 28.2778, 56.1439,
10.6949

 87.3105, 84.5210,
106.3202

Harmonies

Analogous

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



49.8894, 62.5808, 22.5771



41.8039, 62.5808, 35.4672



38.4744, 62.5808, 62.0449

Triad

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



41.8039, 62.5808, 35.4672



57.3131, 62.5808, 163.1908



84.2875, 62.5808, 42.9894

Complementary

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



41.8039, 62.5808, 35.4672



52.3000, 37.0039, 68.6781

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.



87.0085, 62.5808, 74.6215



41.8039, 62.5808, 35.4672



70.2297, 62.5808, 152.4935

Square

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



41.8039, 62.5808, 35.4672



46.5840, 62.5808, 141.9889



81.5485, 62.5808, 116.4535



74.5629, 62.5808, 25.7229

Rectangle

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



41.8039, 62.5808, 35.4672



39.0033, 62.5808, 87.4391



81.5485, 62.5808, 116.4535



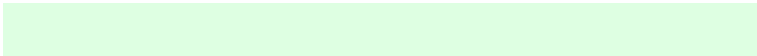
86.1046, 62.5808, 51.9124

Sweetspot

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



41.8055, 62.5834, 35.4686



79.6269, 92.5414, 85.9378



60.0993, 72.1281, 31.1771



16.5401, 19.5644, 17.6358



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.



41.8055, 62.5834, 35.4686



48.1148, 77.3543, 36.6622



46.4339, 64.4348, 59.8415



14.2703, 16.1215, 15.6881



16.1928, 32.1092, 6.2495



1.2226, 2.3831, 0.5986

Inverse Universe

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



52.3000, 37.0039, 68.6781



63.1174, 40.7285, 84.0939



46.8286, 34.8154, 39.8663



14.9047, 14.5791, 17.6983



24.2875, 11.8492, 31.4725



1.8186, 0.8851, 2.4510

Previews

White Background



This preview shows how the XYZ color 41.8039, 62.5808, 35.4672 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 41.8039, 62.5808, 35.4672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

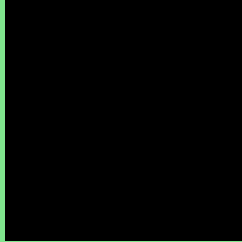
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.8039, 62.5808, 35.4672

Background



This preview shows how black text looks on a background with the XYZ color 41.8039, 62.5808, 35.4672.



This preview shows how white text looks on a background with the XYZ color 41.8039, 62.5808,

35.4672.

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

41.8039, 62.5808, 35.4672

Protanopia

57.0454, 61.6834, 31.0898

Deuteranopia

62.6993, 61.3355, 36.9681



Tritanopia

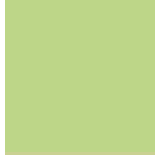
52.2795, 62.4369, 87.8934

Trichromacy



Original Color

41.8039, 62.5808, 35.4672



Protanomaly

49.4768, 60.6895, 32.3991



Deuteranomaly

52.3459, 60.2328, 36.0613



Tritanomaly

47.6484, 62.1223, 64.7378

Monochromacy



Original Color

41.8039, 62.5808, 35.4672



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

44.9756, 54.3798, 47.1556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8039, 62.5808, 35.4672 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(128, 229, 142)` looks like.

```
.text, #text, p{  
    color:rgb(128, 229, 142)  
}
```

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(128, 229, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 229, 142) }
```

Border

The CSS property to change the border of an element to XYZ 41.8039, 62.5808, 35.4672 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(128, 229, 142) }
```


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

```
.border{ border-color:rgb(128, 229, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 229, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 229, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 229, 142);  
box-shadow:4px 4px 4px 4px rgb(128, 229,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8039, 62.5808, 35.4672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 229, 142) }
```

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

```
.background{ background-color: rgb(128,  
229, 142) }
```

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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