

Converting Colors

XYZ(41.8249, 48.8321, 39.5696)

Have a look what the booklet for
XYZ(41.8249, 48.8321, 39.5696)
contains.

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Color

**XYZ(41.8158, 48.8258,
39.5682)**

Conversions

Conversions Part 1

Format	Color
Hex	ABC09E
RGB	171, 192, 158
RGB Percent	67%, 75%, 62%
CMY	0.3294, 0.2470, 0.3804
CMYK	0.11, 0.00, 0.18, 0.25
HSL	97°, 21%, 69%
HSV	97°, 18%, 75%
XYZ	41.8158, 48.8258, 39.5682
YIQ	181.8450, -1.6020, -15.0260

Conversions

Conversions Part 2

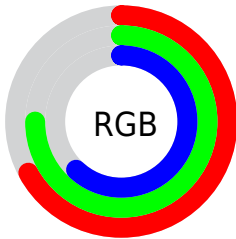
Format	Color
RYB	158, 192, 179
Decimal	11255966
CIELab	75.34, -13.44, 14.77
CIELCh	75, 19.965, 132.307
Yxy	48.8258, 0.3211, 0.3750
Android (android.graphics.Color)	4289446046 (0xFFABC09E)
YUV	181.8450, -11.7556, -9.5111
Hunter-Lab	69.8755, -15.4617, 15.3388

Details

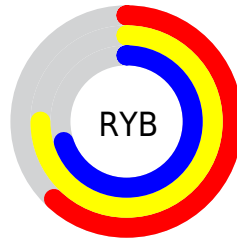
The XYZ color **41.8158, 48.8258, 39.5682** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.3336, 37.8446, 55.0506**, and the grayscale version is **44.4427, 46.7572, 50.9186**.

A 20% lighter version of the original color is **77.2562, 88.2698, 75.9167**, and **19.4942, 23.4487, 17.4085** is the 20% darker color. If you saturate the color by 10%, you get **37.8223, 46.9448, 31.4178**, and if you desaturate by 10%, it is **46.3020, 50.9338, 49.0915**.

Distribution



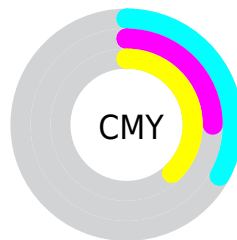
- Red (67%)
- Green (75%)
- Blue (62%)



- Red (62%)
- Yellow (75%)
- Blue (70%)



- Cyan (11%)
- Magenta (0%)
- Yellow (18%)
- Black (25%)





- Cyan (33%)
- Magenta (25%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8158, 48.8258, 39.5682 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 41.8158, 48.8258, 39.5682 by changing the saturation by 10% instead.


 41.8158, 48.8258,
39.5682


 41.8158, 48.8258,
39.5682


344.7234,
382.0561, 359.7981

 29.1476, 34.4813,
26.8908


 77.1877, 88.4327,
75.7354

 19.3373, 23.2636,
17.2595


 100.6220,
114.4639, 100.0623

 12.0197, 14.7883,
10.2558


128.3758,
145.1594, 129.1095

 6.8294, 8.6709,
5.4611

160.8144,
180.9037, 163.2954

 3.4010, 4.5272,
2.4568

198.3031,
222.0811, 203.0387

 1.3692, 1.9726,
0.8171

241.2072,

 0.2341, 0.5915,

269.0760, 248.7579

0.0000

289.8922,
322.2729, 300.8715

■ 0.0000, 0.0000,
0.0000

■ 41.8158, 48.8258,
39.5682

■ 41.8158, 48.8258,
39.5682

■ 37.8223, 46.9448,
31.4178

■ 46.3020, 50.9338,
49.0915

■ 34.2996, 45.2766,
24.5740

■ 51.2940, 53.2701,
60.0438

■ 31.2298, 43.8149,
18.9696

■ 56.8093, 55.8437,
72.4817

■ 28.5921, 42.5507,
14.5301

■ 62.8632, 58.6615,
86.4580

■ 26.3642, 41.4741,
11.1731

■ 69.4705, 61.7301,
102.0228

■ 24.5209, 40.5744,
8.8055

■ 73.5740, 63.8270,
103.0498

■ 23.0340, 39.8392,
7.3182

■ 77.7815, 65.9961,
103.2467

■ 21.8648, 39.2523,
6.5504

■ 78.1406, 66.1812,
103.2635

■ 21.6289, 39.1335,
6.4136

Harmonies

Analogous

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



44.9189, 48.8258, 35.7545



41.8158, 48.8258, 39.5682



40.0012, 48.8258, 47.2518

Triad

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



41.8158, 48.8258, 39.5682



44.2947, 48.8258, 74.8457



53.6525, 48.8258, 48.9688

Complementary

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



41.8158, 48.8258, 39.5682



40.3336, 37.8446, 55.0506

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.



53.4635, 48.8258, 59.5477



41.8158, 48.8258, 39.5682



47.9286, 48.8258, 75.4651

Square

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



41.8158, 48.8258, 39.5682



41.3797, 48.8258, 67.9667



51.3235, 48.8258, 69.5616



51.8268, 48.8258, 40.6819

Rectangle

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



41.8158, 48.8258, 39.5682



39.7047, 48.8258, 53.9810



51.3235, 48.8258, 69.5616



53.8251, 48.8258, 52.3533

Sweetspot

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



41.8171, 48.8279, 39.5693



86.1803, 93.3567, 93.9088



44.0251, 45.9039, 38.8885



18.3549, 19.9655, 19.8559



92.9021, 97.7402, 106.4391



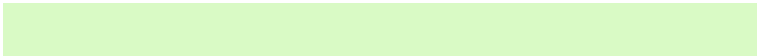
19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.8171, 48.8279, 39.5693



73.0402, 87.1856, 66.0555



39.4703, 47.5780, 41.2710



10.3003, 11.4423, 10.7276



14.6340, 26.3730, 4.3192



0.7092, 1.1792, 0.1902

Inverse Universe

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



40.3336, 37.8446, 55.0506



69.8825, 63.8159, 98.9948



43.0476, 39.2938, 52.9137



10.1122, 10.0490, 12.6915



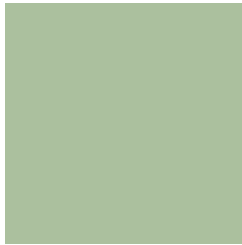
11.5733, 5.2267, 33.9555



0.5749, 0.2644, 1.4706

Previews

White Background



This preview shows how the XYZ color 41.8158, 48.8258, 39.5682 looks on a white background.

Color Contrast Check

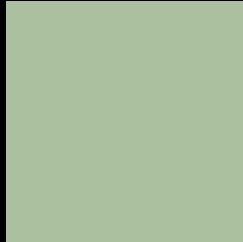
Large Text (above 18pt) WCAG AA × Fail

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 41.8158, 48.8258, 39.5682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

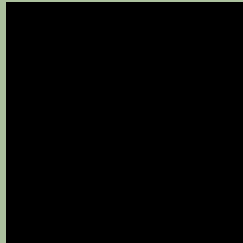
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.8158, 48.8258, 39.5682

Background



This preview shows how black text looks on a background with the XYZ color 41.8158, 48.8258, 39.5682.



This preview shows how white text looks on a background with the XYZ color 41.8158, 48.8258,

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

41.8158, 48.8258, 39.5682

Protanopia

45.9466, 48.7668, 37.5631

Deuteranopia

49.5048, 48.4110, 40.4533



Tritanopia

46.4616, 48.7998, 62.2289

Trichromacy



Original Color

41.8158, 48.8258, 39.5682

Protanomaly

44.3931, 48.8978, 38.1088

Deuteranomaly

46.3046, 48.2754, 40.1353

Tritanomaly

44.4194, 48.5832, 52.9353

Monochromacy



Original Color

41.8158, 48.8258, 39.5682

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.4618, 47.5999, 46.4322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8158, 48.8258, 39.5682 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(171, 192, 158)` looks like.

```
.text, #text, p{  
    color:rgb(171, 192, 158)  
}
```

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(171, 192, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 192, 158) }
```

Border

The CSS property to change the border of an element to XYZ 41.8158, 48.8258, 39.5682 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(171, 192, 158) }
```


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

```
.border{ border-color:rgb(171, 192, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 192, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 192, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 192, 158); box-shadow:4px 4px 4px 4px rgb(171, 192, 158) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8158, 48.8258, 39.5682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 192, 158) }
```

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

```
.background{ background-color: rgb(171,  
192, 158) }
```

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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