

Converting Colors

XYZ(41.8252, 41.6111, 60.2793)

Have a look what the booklet for
XYZ(41.8252, 41.6111, 60.2793)
contains.

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Color

**XYZ(41.8133, 41.6902,
60.4868)**

Conversions

Conversions Part 1

Format	Color
Hex	ACAAC8
RGB	172, 170, 200
RGB Percent	67%, 67%, 78%
CMY	0.3255, 0.3333, 0.2157
CMYK	0.14, 0.15, 0.00, 0.22
HSL	244°, 21%, 73%
HSV	244°, 15%, 78%
XYZ	41.8133, 41.6902, 60.4868
YIQ	174.0180, -8.4380, 9.7540

Conversions

Conversions Part 2

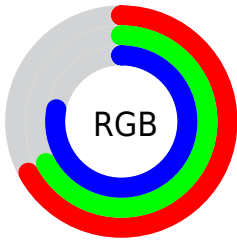
Format	Color
R _Y B	172, 170, 200
Decimal	11315912
CIE Lab	70.66, 6.75, -15.00
CIE LCh	71, 16.452, 294.231
Yxy	41.6902, 0.2904, 0.2895
Android (android.graphics.Color)	4289505992 (0xFFACAAC8)
YUV	174.0180, 12.8091, -1.7698
Hunter-Lab	64.5679, 2.6002, -10.3449

Details

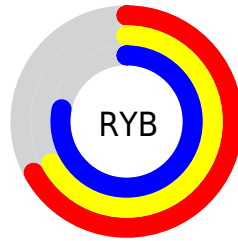
The XYZ color **41.8133, 41.6902, 60.4868** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.2001, 56.2176, 46.1847**, and the grayscale version is **40.1818, 42.2743, 46.0368**.

A 20% lighter version of the original color is **76.9701, 77.5644, 105.5224**, and **19.2745, 18.9541, 29.8368** is the 20% darker color. If you saturate the color by 10%, you get **34.5324, 32.7889, 59.1531**, and if you desaturate by 10%, it is **50.2427, 52.0324, 62.0394**.

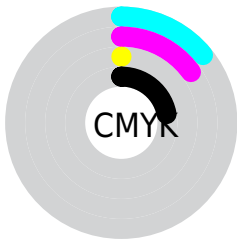
Distribution



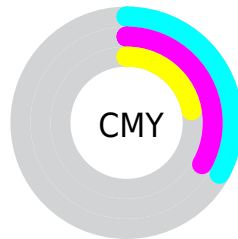
- Red (67%)
- Green (67%)
- Blue (78%)



- Red (67%)
- Yellow (67%)
- Blue (78%)



- Cyan (14%)
- Magenta (15%)
- Yellow (0%)
- Black (22%)



- Cyan (33%)
- Magenta (33%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8133, 41.6902, 60.4868 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 41.8133, 41.6902, 60.4868 by changing the saturation by 10% instead.

■ 41.8133, 41.6902,
60.4868

■ 41.8133, 41.6902,
60.4868

344.7132,
353.1971, 444.2441

■ 29.1456, 28.8588,
43.3833

■ 77.1839, 77.7305,
107.0858

■ 19.3358, 18.9740,
29.8523

100.6176,
101.7083, 137.4183

■ 12.0186, 11.6515,
19.4754

128.3705,
130.1702, 172.9976

■ 6.8287, 6.5069,
11.8340

160.8082,
163.5008, 214.2422

■ 3.4006, 3.1557,
6.5096

198.2960,
202.0843, 261.5706

■ 1.3690, 1.2135,
3.0836

241.1992,

■ 0.2339, 0.0727,

246.3053, 315.4013

1.1375

289.8831,
296.5481, 376.1530

■ 0.0000, 0.0000,
0.0000

■ 41.8133, 41.6902,
60.4868

■ 41.8133, 41.6902,
60.4868

■ 34.5324, 32.7889,
59.1531

■ 50.2427, 52.0324,
62.0394

■ 28.3466, 25.2596,
58.0258

■ 59.8632, 63.8700,
63.8173

■ 23.2040, 19.0357,
57.0955

■ 70.7201, 77.2610,
65.8298

■ 19.0469, 14.0427,
56.3509

■ 82.8551, 92.2589,
68.0851

■ 15.8123, 10.1987,
55.7794

■ 87.4255, 96.9502,
68.7497

■ 13.4293, 7.4121,
55.3671

■ 11.8173, 5.5770,
55.0979

■ 10.8796, 4.5655,
54.9521

■ 10.5962, 4.2582,
54.9077

Harmonies

Analogous

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



39.1013, 41.6902, 62.0072



41.8133, 41.6902, 60.4868



44.0273, 41.6902, 54.7348

Triad

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



41.8133, 41.6902, 60.4868



42.7653, 41.6902, 34.2812



34.6408, 41.6902, 43.9029

Complementary

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



41.8133, 41.6902, 60.4868



51.2001, 56.2176, 46.1847

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.



35.5269, 41.6902, 37.1805



41.8133, 41.6902, 60.4868



40.1539, 41.6902, 32.0489

Square

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



41.8133, 41.6902, 60.4868



44.5943, 41.6902, 39.5131



37.5150, 41.6902, 33.0464



35.0398, 41.6902, 51.8303

Rectangle

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



41.8133, 41.6902, 60.4868



44.8808, 41.6902, 49.5918



37.5150, 41.6902, 33.0464



34.7970, 41.6902, 41.4392

Sweetspot

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



41.8146, 41.6919, 60.4877



88.4656, 91.9027, 107.6841



47.3127, 53.3343, 62.4452



18.6784, 19.3553, 23.0014



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.



41.8146, 41.6919, 60.4877



68.0718, 66.8905, 103.9311



45.1729, 43.4232, 60.6449



10.1210, 10.3206, 13.3761



6.7651, 2.7218, 34.9132



0.3436, 0.1409, 1.6542

Inverse Universe

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



48.3885, 45.1077, 59.5842



81.6266, 73.9347, 102.0164



47.5588, 54.3405, 46.0142



11.0514, 10.8040, 13.2541



20.8398, 10.0855, 30.6957



0.9962, 0.4813, 1.5030

Previews

White Background



This preview shows how the XYZ color 41.8133, 41.6902, 60.4868 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 41.8133, 41.6902, 60.4868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

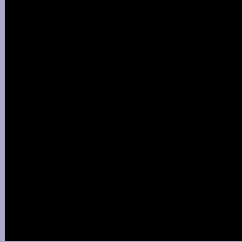
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.8133, 41.6902, 60.4868

Background



This preview shows how black text looks on a background with the XYZ color 41.8133, 41.6902, 60.4868.



This preview shows how white text looks on a background with the XYZ color 41.8133, 41.6902,

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

41.8133, 41.6902, 60.4868

Protanopia

41.0419, 41.5584, 61.1168

Deuteranopia

42.5178, 41.7762, 60.4663



Tritanopia

40.1930, 41.5963, 52.3649

Trichromacy



Original Color

41.8133, 41.6902, 60.4868

Protanomaly

41.4677, 41.7779, 61.1367

Deuteranomaly

42.2925, 41.6600, 60.4557

Tritanomaly

40.7615, 41.5453, 55.1609

Monochromacy



Original Color

41.8133, 41.6902, 60.4868

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

40.7244, 42.1903, 50.7969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8133, 41.6902, 60.4868 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(172, 170, 200)` looks like.

```
.text, #text, p{  
    color:rgb(172, 170, 200)  
}
```

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(172, 170, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 170, 200) }
```

Border

The CSS property to change the border of an element to XYZ 41.8133, 41.6902, 60.4868 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(172, 170, 200) }
```


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

```
.border{ border-color:rgb(172, 170, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 170, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 170, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 170, 200);  
box-shadow:4px 4px 4px 4px rgb(172, 170,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8133, 41.6902, 60.4868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 170, 200) }
```

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

```
.background{ background-color: rgb(172,  
170, 200) }
```

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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