

Converting Colors

XYZ(41.9855, 50.9700, 50.5907)

Have a look what the booklet for
XYZ(41.9855, 50.9700, 50.5907)
contains.

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Color

**XYZ(41.9881, 51.0122,
50.8133)**

Conversions

Conversions Part 1

Format	Color
Hex	9AC7B4
RGB	154, 199, 180
RGB Percent	60%, 78%, 71%
CMY	0.3961, 0.2196, 0.2941
CMYK	0.23, 0.00, 0.10, 0.22
HSL	155°, 29%, 69%
HSV	155°, 23%, 78%
XYZ	41.9881, 51.0122, 50.8133
YIQ	183.3790, -20.7210, -15.4490

Conversions

Conversions Part 2

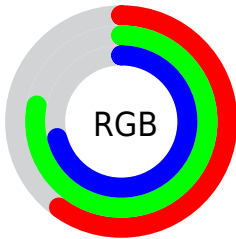
Format	Color
RYB	154, 183, 199
Decimal	10143668
CIELab	76.69, -18.71, 4.67
CIELCh	77, 19.283, 165.979
Yxy	51.0122, 0.2920, 0.3547
Android (android.graphics.Color)	4288333748 (0xFF9AC7B4)
YUV	183.3790, -1.6658, -25.7654
Hunter-Lab	71.4228, -20.0532, 7.8145

Details

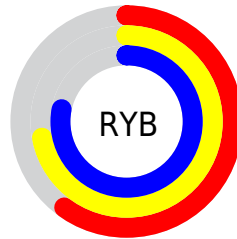
The XYZ color **41.9881, 51.0122, 50.8133** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.6535, 38.2718, 44.6766**, and the grayscale version is **45.2360, 47.5918, 51.8275**.

A 20% lighter version of the original color is **77.1948, 91.1314, 92.8784**, and **19.4357, 24.6079, 23.8041** is the 20% darker color. If you saturate the color by 10%, you get **37.6799, 48.8886, 46.2782**, and if you desaturate by 10%, it is **46.9790, 53.4845, 55.6534**.

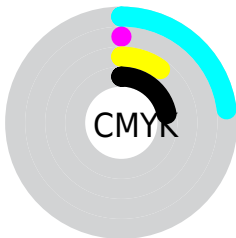
Distribution



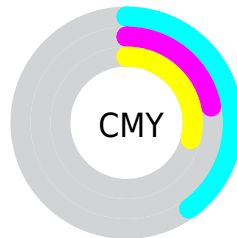
- Red (60%)
- Green (78%)
- Blue (71%)



- Red (60%)
- Yellow (72%)
- Blue (78%)



- Cyan (23%)
- Magenta (0%)
- Yellow (10%)
- Black (22%)





- Cyan (40%)
- Magenta (22%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9881, 51.0122, 50.8133 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 41.9881, 51.0122, 50.8133 by changing the saturation by 10% instead.


 41.9881, 51.0122,
50.8133


 41.9881, 51.0122,
50.8133


345.4261,
390.6112, 406.6638

 29.2830, 36.2183,
35.6844


 77.4469, 91.6728,
92.7874

 19.4404, 24.6029,
23.9028


 100.9313,
118.3083, 120.4697

 12.0948, 15.7814,
15.0500


128.7396,
149.6598, 153.1734

 6.8809, 9.3696,
8.7074

161.2371,
186.1117, 191.3172

 3.4334, 4.9830,
4.4567

198.7891,
228.0484, 235.3196

 1.3869, 2.2373,
1.8791

241.7611,

 0.2469, 0.7402,

275.8543, 285.5992

0.4794

290.5183,
329.9138, 342.5744

■ 0.0000, 0.0000,
0.0000

■ 41.9881, 51.0122,
50.8133

■ 41.9881, 51.0122,
50.8133

■ 37.6799, 48.8886,
46.2782

■ 46.9790, 53.4845,
55.6534

■ 34.0183, 47.0910,
42.0386

■ 52.6779, 56.3144,
60.8013

■ 30.9703, 45.6039,
38.0889

■ 59.1143, 59.5182,
66.2637

■ 28.4979, 44.4080,
34.4225

■ 66.3144, 63.1095,
72.0465

■ 26.5591, 43.4815,
31.0322

■ 74.3032, 67.1010,
78.1550

■ 25.1053, 42.7996,
27.9104

■ 76.0065, 67.8456,
84.2624

■ 24.0787, 42.3327,
25.0488

■ 77.2183, 68.3303,
90.6441

■ 23.5173, 42.0859,
23.0952

■ 78.4879, 68.8382,
97.3297

■ 79.7144, 69.3288,
103.7881

Harmonies

Analogous

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



43.6103, 51.0122, 42.7100



41.9881, 51.0122, 50.8133



42.0445, 51.0122, 61.2646

Triad

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



41.9881, 51.0122, 50.8133



50.4440, 51.0122, 77.2023



53.5298, 51.0122, 42.3035

Complementary

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



41.9881, 51.0122, 50.8133



42.6535, 38.2718, 44.6766

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.



55.5529, 51.0122, 50.1904



41.9881, 51.0122, 50.8133



53.7112, 51.0122, 70.7204

Square

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



41.9881, 51.0122, 50.8133



46.8044, 51.0122, 77.4240



55.6210, 51.0122, 60.5587



50.2065, 51.0122, 38.2307

Rectangle

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



41.9881, 51.0122, 50.8133



43.0233, 51.0122, 68.2131



55.6210, 51.0122, 60.5587



54.3917, 51.0122, 44.5488

Sweetspot

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



41.9895, 51.0143, 50.8144



87.5952, 96.2944, 102.3404



43.6023, 52.1236, 38.3354



18.6179, 20.5458, 21.7868



0.0000, 0.0000, 0.0000



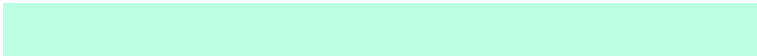
20.3446, 21.4041, 23.3091

Same Dimension

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



41.9895, 51.0143, 50.8144



69.7637, 87.4649, 85.1047



43.3769, 50.4756, 61.4919



10.7500, 11.9889, 12.6338



15.1660, 27.0788, 15.0847



0.7537, 1.2964, 0.9019

Inverse Universe

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



42.6535, 38.2718, 44.6766



71.1249, 61.3588, 72.5349



41.4445, 38.5905, 35.8370



10.8166, 10.7100, 12.0174



16.2167, 8.2363, 6.3511



0.8039, 0.4044, 0.4904

Previews

White Background



This preview shows how the XYZ color 41.9881, 51.0122, 50.8133 looks on a white background.

Color Contrast Check

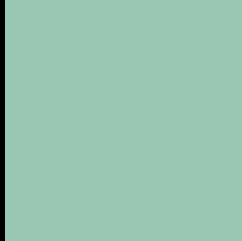
Large Text (above 18pt) WCAG AA × Fail

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 41.9881, 51.0122, 50.8133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

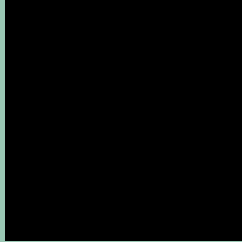
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.9881, 51.0122, 50.8133

Background



This preview shows how black text looks on a background with the XYZ color 41.9881, 51.0122, 50.8133.



This preview shows how white text looks on a background with the XYZ color 41.9881, 51.0122,

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

41.9881, 51.0122, 50.8133

Protanopia

48.1289, 50.6245, 47.2792

Deuteranopia

51.5697, 50.4301, 51.8157



Tritanopia

45.6452, 51.1569, 68.4413

Trichromacy



Original Color

41.9881, 51.0122, 50.8133

Protanomaly

45.5085, 50.5372, 48.4304

Deuteranomaly

47.4130, 50.1627, 51.4394

Tritanomaly

44.1493, 50.8725, 61.5253

Monochromacy



Original Color

41.9881, 51.0122, 50.8133

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

43.6544, 48.5432, 51.3249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9881, 51.0122, 50.8133 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(154, 199, 180)` looks like.

```
.text, #text, p{  
    color:rgb(154, 199, 180)  
}
```

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(154, 199, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 199, 180) }
```

Border

The CSS property to change the border of an element to XYZ 41.9881, 51.0122, 50.8133 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(154, 199, 180) }
```


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

```
.border{ border-color:rgb(154, 199, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 199, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 199, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 199, 180);  
box-shadow:4px 4px 4px 4px rgb(154, 199,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9881, 51.0122, 50.8133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 199, 180) }
```

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

```
.background{ background-color: rgb(154,  
199, 180) }
```

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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