

Converting Colors

XYZ(47.6086, 55.1754, 41.7808)

Have a look what the booklet for
XYZ(47.6086, 55.1754, 41.7808)
contains.

XYZ(47.5611, 55.1286, 41.8523)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.5611, 55.1286,
41.8523)**

Conversions

Conversions Part 1

Format	Color
Hex	B9CAA1
RGB	185, 202, 161
RGB Percent	73%, 79%, 63%
CMY	0.2745, 0.2078, 0.3686
CMYK	0.08, 0.00, 0.20, 0.21
HSL	85°, 28%, 71%
HSV	85°, 20%, 79%
XYZ	47.5611, 55.1286, 41.8523
YIQ	192.2430, 3.0290, -16.3550

Conversions

Conversions Part 2

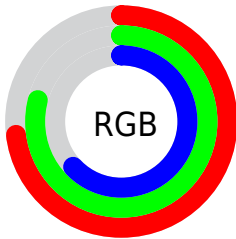
Format	Color
RYB	161, 202, 178
Decimal	12176033
CIELab	79.12, -13.02, 18.57
CIELCh	79, 22.686, 125.039
Yxy	55.1286, 0.3290, 0.3814
Android (android.graphics.Color)	4290366113 (0xFFB9CAA1)
YUV	192.2430, -15.4028, -6.3521
Hunter-Lab	74.2486, -15.5942, 18.5536

Details

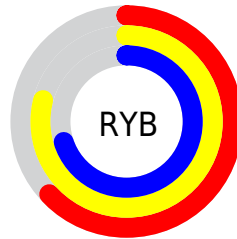
The XYZ color **47.5611, 55.1286, 41.8523** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.7679, 39.2205, 61.2491**, and the grayscale version is **50.3321, 52.9533, 57.6661**.

A 20% lighter version of the original color is **84.4303, 95.1786, 78.8871**, and **22.8659, 27.1895, 18.5109** is the 20% darker color. If you saturate the color by 10%, you get **43.9603, 53.4635, 33.1243**, and if you desaturate by 10%, it is **51.5717, 56.9751, 52.1040**.

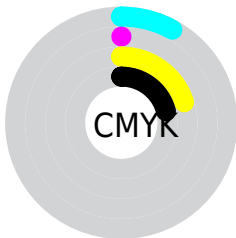
Distribution



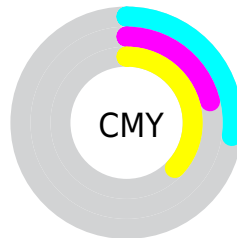
- Red (73%)
- Green (79%)
- Blue (63%)



- Red (63%)
- Yellow (79%)
- Blue (70%)



- Cyan (8%)
- Magenta (0%)
- Yellow (20%)
- Black (21%)



- Cyan (27%)
- Magenta (21%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5611, 55.1286, 41.8523 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 47.5611, 55.1286, 41.8523 by changing the saturation by 10% instead.

■ 47.5611, 55.1286,
41.8523

■ 47.5611, 55.1286,
41.8523

367.6614,
406.3992, 369.6519

■ 33.6892, 39.5047,
28.6609

■ 85.7642, 97.7293,
79.2437

■ 22.8167, 27.1526,
18.5811

■ 110.8262,
125.4750, 104.2809

■ 14.5782, 17.6878,
11.1943

140.3489,
158.0300, 134.1037

■ 8.6083, 10.7261,
6.0818

174.6978,
195.7787, 169.1307

■ 4.5416, 5.8830,
2.8253

214.2381,
239.1056, 209.7805

■ 2.0129, 2.7741,
1.0061

259.3352,

■ 0.6412, 1.0149,

288.3951, 256.4716

0.0000

310.3546,
344.0315, 309.6226

■ 0.0000, 0.0000,
0.0000

■ 47.5611, 55.1286,
41.8523

■ 47.5611, 55.1286,
41.8523

■ 43.9603, 53.4635,
33.1243

■ 51.5717, 56.9751,
52.1040

■ 40.7493, 51.9659,
25.8437

■ 56.0027, 59.0018,
63.9438

■ 37.9123, 50.6313,
19.9330


■ 60.8695, 61.2172,
77.4366


■ 35.4309, 49.4519,
15.3059


■ 66.1854, 63.6266,
92.6426


■ 33.2847, 48.4194,
11.8664


■ 70.8147, 65.7760,
103.5714


 31.4506, 47.5243,
9.5051

 73.5201, 67.1706,
103.6980

 29.9016, 46.7554,
8.0919

 76.3558, 68.6325,
103.8308

 28.6244, 46.1112,
7.3917

 79.3236, 70.1624,
103.9696

 80.4117, 70.7234,
104.0206

Harmonies

Analogous

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



51.6378, 55.1286, 38.4732



47.5611, 55.1286, 41.8523



44.9013, 55.1286, 50.1149

Triad

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



47.5611, 55.1286, 41.8523



48.8124, 55.1286, 85.5608



61.5491, 55.1286, 57.8642

Complementary

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



47.5611, 55.1286, 41.8523



41.7679, 39.2205, 61.2491

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.



60.6861, 55.1286, 71.1639



47.5611, 55.1286, 41.8523



53.1658, 55.1286, 88.4172

Square

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



47.5611, 55.1286, 41.8523



45.5941, 55.1286, 75.4940



57.5524, 55.1286, 82.8194



59.8474, 55.1286, 46.8292

Rectangle

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



47.5611, 55.1286, 41.8523



44.2013, 55.1286, 57.8970



57.5524, 55.1286, 82.8194



61.5502, 55.1286, 62.2059

Sweetspot

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



47.5626, 55.1310, 41.8535



90.3877, 97.8698, 96.3314



46.5935, 46.7342, 40.2838



19.2415, 20.9000, 20.3392



0.0000, 0.0000, 0.0000



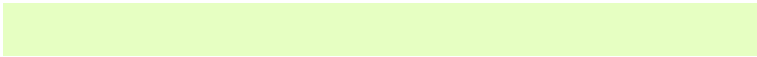
20.3446, 21.4041, 23.3091

Same Dimension

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



47.5626, 55.1310, 41.8535



77.9864, 92.1662, 64.6008



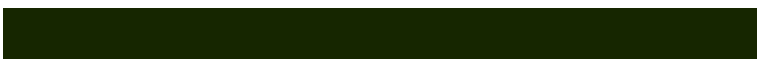
43.0931, 52.8269, 41.6443



11.6866, 12.8558, 11.9449



18.5218, 29.7237, 4.7610



1.0406, 1.5773, 0.2496

Inverse Universe

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



41.7679, 39.2205, 61.2491



66.5650, 60.8027, 102.8355



46.6700, 41.7476, 61.4785



11.0351, 11.0674, 14.1250



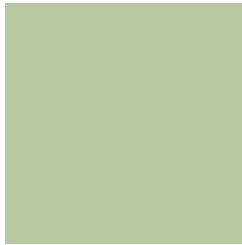
9.2957, 3.9997, 36.2383



0.5652, 0.2505, 1.8735

Previews

White Background



This preview shows how the XYZ color 47.5611, 55.1286, 41.8523 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 47.5611, 55.1286, 41.8523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

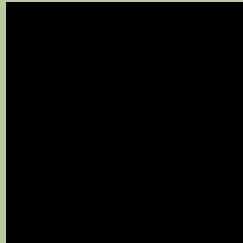
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.5611, 55.1286, 41.8523

Background



This preview shows how black text looks on a background with the XYZ color 47.5611, 55.1286, 41.8523.



This preview shows how white text looks on a background with the XYZ color 47.5611, 55.1286,

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

47.5611, 55.1286, 41.8523

Protanopia

51.6991, 54.9087, 40.2214

Deuteranopia

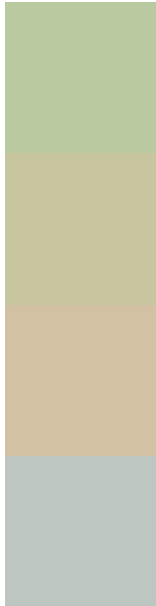
56.0481, 54.8155, 42.7484



Tritanopia

53.0112, 54.9398, 69.4385

Trichromacy



Original Color

47.5611, 55.1286, 41.8523

Protanomaly

50.2715, 55.1707, 40.8003

Deuteranomaly

52.5448, 54.6332, 42.4262

Tritanomaly

50.8060, 55.0572, 58.4014

Monochromacy



Original Color

47.5611, 55.1286, 41.8523

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.0667, 53.6349, 51.4825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5611, 55.1286, 41.8523 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(185, 202, 161)` looks like.

```
.text, #text, p{  
    color:rgb(185, 202, 161)  
}
```

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(185, 202, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 202, 161) }
```

Border

The CSS property to change the border of an element to XYZ 47.5611, 55.1286, 41.8523 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(185, 202, 161) }
```


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

```
.border{ border-color:rgb(185, 202, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 202, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 202, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 202, 161);  
box-shadow:4px 4px 4px 4px rgb(185, 202,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5611, 55.1286, 41.8523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 202, 161) }
```

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

```
.background{ background-color: rgb(185,  
202, 161) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor