

Converting Colors

XYZ(51.8046, 61.1358, 47.6820)

Have a look what the booklet for
XYZ(51.8046, 61.1358, 47.6820)
contains.

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Color

**XYZ(51.8840, 61.2201,
47.6102)**

Conversions

Conversions Part 1

Format	Color
Hex	BCD5AB
RGB	188, 213, 171
RGB Percent	74%, 84%, 67%
CMY	0.2627, 0.1647, 0.3294
CMYK	0.12, 0.00, 0.20, 0.16
HSL	96°, 33%, 75%
HSV	96°, 20%, 84%
XYZ	51.8840, 61.2201, 47.6102
YIQ	200.7370, -1.4180, -18.3620

Conversions

Conversions Part 2

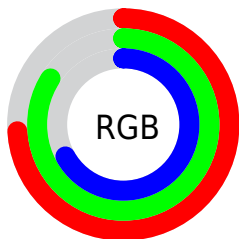
Format	Color
RYB	171, 213, 196
Decimal	12375467
CIELab	82.50, -15.92, 18.02
CIELCh	82, 24.046, 131.461
Yxy	61.2201, 0.3228, 0.3809
Android (android.graphics.Color)	4290565547 (0xFFBCD5AB)
YUV	200.7370, -14.6603, -11.1703
Hunter-Lab	78.2433, -18.5604, 18.6930

Details

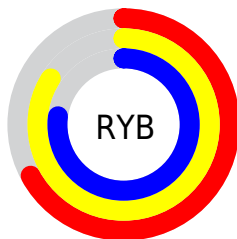
The XYZ color **51.8840, 61.2201, 47.6102** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **49.3405, 45.6674, 69.1681**, and the grayscale version is **55.4444, 58.3318, 63.5234**.

A 20% lighter version of the original color is **86.7957, 96.2441, 85.9539**, and **25.3881, 30.8540, 22.0701** is the 20% darker color. If you saturate the color by 10%, you get **47.0278, 58.9345, 37.6251**, and if you desaturate by 10%, it is **57.3451, 63.7834, 59.3340**.

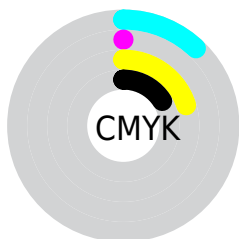
Distribution



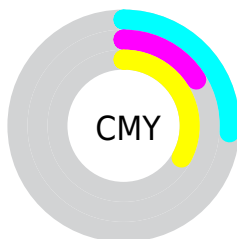
- Red (74%)
- Green (84%)
- Blue (67%)



- Red (67%)
- Yellow (84%)
- Blue (77%)



- Cyan (12%)
- Magenta (0%)
- Yellow (20%)
- Black (16%)



- Cyan (26%)
- Magenta (16%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8840, 61.2201, 47.6102 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 51.8840, 61.2201, 47.6102 by changing the saturation by 10% instead.

■ 51.8840, 61.2201,
47.6102

■ 51.8840, 61.2201,
47.6102

384.3199,
429.0806, 393.7090

■ 37.1365, 44.4028,
33.1605

■ 92.1354, 106.5976,
87.9832

■ 25.4874, 30.9873,
21.9773

118.3700,
135.9265, 114.7437

■ 16.5712, 20.5892,
13.6421

149.1644,
170.1949, 146.4448

■ 10.0226, 12.8240,
7.7362

184.8838,
209.7869, 183.5051

■ 5.4764, 7.3075,
3.8413

225.8938,
255.0871, 226.3431

■ 2.5670, 3.6551,
1.5387

272.5595,

■ 0.9292, 1.4826,

306.4799, 275.3774

0.2465

325.2465,
364.3496, 331.0265

0.0000, 0.2764,
0.0000

0.0000, 0.0000,
0.0000

51.8840, 61.2201,
47.6102

51.8840, 61.2201,
47.6102

47.0278, 58.9345,
37.6251

57.3451, 63.7834,
59.3340

42.7491, 56.9087,
29.2921

63.4277, 66.6258,
72.8698

39.0252, 55.1349,
22.5229

70.1536, 69.7588,
88.2913

35.8299, 53.6018,
17.2196

77.3477, 73.1130,
104.6433

■ 33.1346, 52.2968,
13.2733

■ 81.7735, 75.3946,
104.8504

■ 30.9073, 51.2064,
10.5595

■ 83.0854, 76.0709,
104.9118

■ 29.1114, 50.3147,
8.9313

■ 27.6885, 49.5974,
8.1311

■ 27.6522, 49.5791,
8.1123

Harmonies

Analogous

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



56.2454, 61.2201, 42.5800



51.8840, 61.2201, 47.6102



49.3082, 61.2201, 58.0543

Triad

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



51.8840, 61.2201, 47.6102



55.1005, 61.2201, 97.2701



68.4257, 61.2201, 61.1889

Complementary

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



51.8840, 61.2201, 47.6102



49.3405, 45.6674, 69.1681

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.



68.0743, 61.2201, 76.0729



51.8840, 61.2201, 47.6102



60.1746, 61.2201, 98.4389

Square

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



51.8840, 61.2201, 47.6102



51.0884, 61.2201, 87.2190



64.9827, 61.2201, 90.2099



65.9163, 61.2201, 49.6129

Rectangle

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



51.8840, 61.2201, 47.6102



48.8531, 61.2201, 67.3827



64.9827, 61.2201, 90.2099



68.6419, 61.2201, 65.9391

Sweetspot

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



51.8856, 61.2227, 47.6115



89.4118, 97.3668, 96.2858



54.4210, 56.3435, 46.5361



19.0110, 20.7812, 20.3284



0.0000, 0.0000, 0.0000



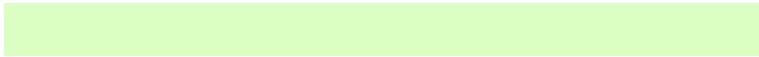
20.3446, 21.4041, 23.3091

Same Dimension

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



51.8856, 61.2227, 47.6115



74.5589, 90.3993, 64.4404



48.2795, 59.3247, 49.2077



12.7335, 14.1388, 13.2186



16.9992, 30.3397, 4.9602



1.1177, 1.8776, 0.3035

Inverse Universe

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



49.3405, 45.6674, 69.1681



70.0047, 62.5759, 102.9965



53.5764, 47.9019, 67.0718



12.4443, 12.3704, 15.6694



12.7824, 5.7421, 38.8878



0.8635, 0.3941, 2.3499

Previews

White Background



This preview shows how the XYZ color 51.8840, 61.2201, 47.6102 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 51.8840, 61.2201, 47.6102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

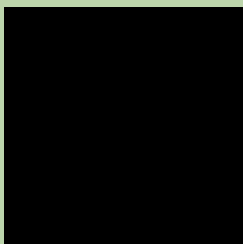
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

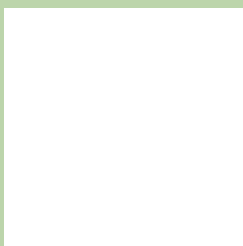
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.8840, 61.2201, 47.6102

Background



This preview shows how black text looks on a background with the XYZ color 51.8840, 61.2201, 47.6102.



This preview shows how white text looks on a background with the XYZ color 51.8840, 61.2201,

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

51.8840, 61.2201, 47.6102

Protanopia

57.4216, 61.2044, 45.3464

Deuteranopia

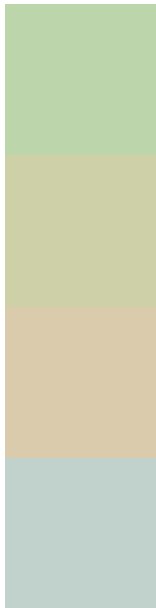
62.1983, 60.8214, 48.5059



Tritanopia

58.0211, 61.1523, 77.8528

Trichromacy



Original Color

51.8840, 61.2201, 47.6102

Protanomaly

55.0774, 61.0607, 45.9288

Deuteranomaly

58.1122, 60.7891, 48.2058

Tritanomaly

55.5723, 61.2502, 65.3934

Monochromacy



Original Color

51.8840, 61.2201, 47.6102

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

53.8905, 59.1161, 57.2854

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8840, 61.2201, 47.6102 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(188, 213, 171)` looks like.

```
.text, #text, p{  
    color:rgb(188, 213, 171)  
}
```

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(188, 213, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 213, 171) }
```

Border

The CSS property to change the border of an element to XYZ 51.8840, 61.2201, 47.6102 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(188, 213, 171) }
```


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

```
.border{ border-color:rgb(188, 213, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 213, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 213, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 213, 171);  
box-shadow:4px 4px 4px 4px rgb(188, 213,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8840, 61.2201, 47.6102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 213, 171) }
```

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

```
.background{ background-color: rgb(188,  
213, 171) }
```

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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