

Converting Colors

XYZ(51.7821, 61.1554, 48.6224)

Have a look what the booklet for
XYZ(51.7821, 61.1554, 48.6224)
contains.

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Color

**XYZ(51.8306, 61.1704,
48.6105)**

Conversions

Conversions Part 1

Format	Color
Hex	BBD5AD
RGB	187, 213, 173
RGB Percent	73%, 84%, 68%
CMY	0.2667, 0.1647, 0.3216
CMYK	0.12, 0.00, 0.19, 0.16
HSL	99°, 32%, 76%
HSV	99°, 19%, 84%
XYZ	51.8306, 61.1704, 48.6105
YIQ	200.6660, -2.6560, -17.9520

Conversions

Conversions Part 2

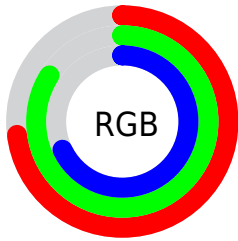
Format	Color
RYB	173, 213, 199
Decimal	12309933
CIELab	82.47, -15.95, 16.92
CIELCh	82, 23.250, 133.305
Yxy	61.1704, 0.3207, 0.3785
Android (android.graphics.Color)	4290500013 (0xFFBBD5AD)
YUV	200.6660, -13.6393, -11.9851
Hunter-Lab	78.2115, -18.5786, 17.8978

Details

The XYZ color **51.8306, 61.1704, 48.6105** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.5095, 46.8351, 69.3319**, and the grayscale version is **55.3949, 58.2797, 63.4666**.

A 20% lighter version of the original color is **86.8650, 96.2318, 88.1251**, and **25.3509, 30.8207, 22.7020** is the 20% darker color. If you saturate the color by 10%, you get **46.7063, 58.7500, 38.4559**, and if you desaturate by 10%, it is **57.6134, 63.8959, 60.5137**.

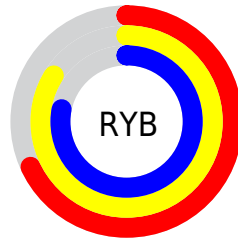
Distribution



Red (73%)

Green (84%)

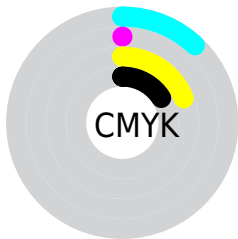
Blue (68%)



Red (68%)

Yellow (84%)

Blue (78%)

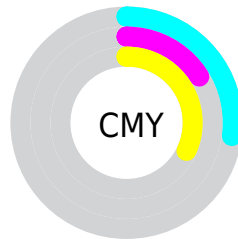


Cyan (12%)

Magenta (0%)

Yellow (19%)

Black (16%)



Cyan (27%)

Magenta (16%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8306, 61.1704, 48.6105 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 51.8306, 61.1704, 48.6105 by changing the saturation by 10% instead.

■ 51.8306, 61.1704,
48.6105

■ 51.8306, 61.1704,
48.6105

384.1170,
428.8985, 397.7852

■ 37.0938, 44.3627,
33.9472

■ 92.0571, 106.5256,
89.4877

■ 25.4541, 30.9558,
22.5760

118.2774,
135.8419, 116.5386

■ 16.5462, 20.5652,
14.0784

149.0564,
170.0966, 148.5558

■ 10.0048, 12.8065,
8.0358

184.7592,
209.6739, 185.9579

■ 5.4644, 7.2955,
4.0298

225.7514,
254.9584, 229.1633

■ 2.5598, 3.6476,
1.6417

272.3981,

■ 0.9255, 1.4784,

306.3344, 278.5907

0.3203

325.0649,
364.1863, 334.6584

■ 0.0000, 0.2735,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.8306, 61.1704,
48.6105

■ 51.8306, 61.1704,
48.6105

■ 46.7063, 58.7500,
38.4559

■ 57.6134, 63.8959,
60.5137

■ 42.2110, 56.6159,
29.9637

■ 64.0733, 66.9290,
74.2384

■ 38.3198, 54.7590,
23.0462

■ 71.2339, 70.2821,
89.8581

■ 35.0044, 53.1668,
17.6064

■ 78.5961, 73.7566,
104.7017

■ 32.2336, 51.8256,
13.5363

■ 83.0855, 76.0709,
104.9118

■ 29.9730, 50.7204,
10.7130

■ 28.1832, 49.8340,
8.9921

■ 26.8085, 49.1426,
8.1471

■ 26.6614, 49.0684,
8.0659

Harmonies

Analogous

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



55.9694, 61.1704, 43.3669



51.8306, 61.1704, 48.6105



49.4608, 61.1704, 59.0489

Triad

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



51.8306, 61.1704, 48.6105



55.4389, 61.1704, 96.4017



67.9429, 61.1704, 60.5032

Complementary

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



51.8306, 61.1704, 48.6105



50.5095, 46.8351, 69.3319

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.



67.7807, 61.1704, 74.7779



51.8306, 61.1704, 48.6105



60.3673, 61.1704, 96.9387

Square

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



51.8306, 61.1704, 48.6105



51.4614, 61.1704, 87.1899



64.9431, 61.1704, 88.5665



65.3742, 61.1704, 49.5440

Rectangle

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



51.8306, 61.1704, 48.6105



49.1144, 61.1704, 68.1944



64.9431, 61.1704, 88.5665



68.2101, 61.1704, 65.0389

Sweetspot

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



51.8322, 61.1730, 48.6118



89.1188, 97.2157, 96.2721



55.4093, 58.0126, 47.8133



18.9418, 20.7455, 20.3252



0.0000, 0.0000, 0.0000



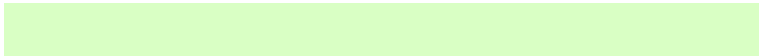
20.3446, 21.4041, 23.3091

Same Dimension

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



51.8322, 61.1730, 48.6118



74.3418, 90.2540, 65.9362



49.1664, 59.7301, 51.5868



12.6683, 14.1052, 13.2156



16.3854, 30.0233, 4.9315



1.0764, 1.8563, 0.3016

Inverse Universe

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



50.5095, 46.8351, 69.3319



71.9569, 64.4309, 103.2516



53.6489, 48.5399, 65.5758



12.5116, 12.4052, 15.6725



13.8995, 6.3180, 38.9401



0.9263, 0.4264, 2.3528

Previews

White Background



This preview shows how the XYZ color 51.8306, 61.1704, 48.6105 looks on a white background.

Color Contrast Check

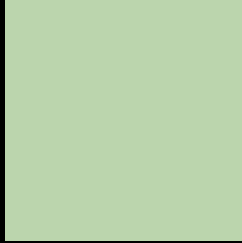
Large Text (above 18pt) WCAG AA × Fail

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 51.8306, 61.1704, 48.6105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

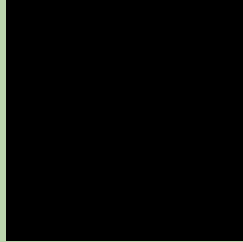
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.8306, 61.1704, 48.6105

Background



This preview shows how black text looks on a background with the XYZ color 51.8306, 61.1704, 48.6105.



This preview shows how white text looks on a background with the XYZ color 51.8306, 61.1704,

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

51.8306, 61.1704, 48.6105

Protanopia

57.3696, 60.8020, 46.2484

Deuteranopia

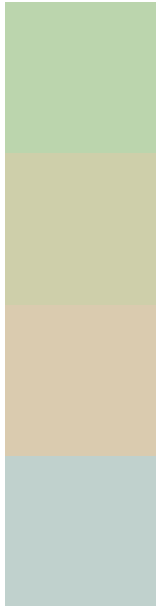
62.0637, 60.7293, 49.5251



Tritanopia

57.8963, 61.0724, 78.5487

Trichromacy



Original Color

51.8306, 61.1704, 48.6105

Protanomaly

55.0221, 60.6497, 46.8368

Deuteranomaly

58.0072, 60.7124, 49.2188

Tritanomaly

55.5581, 61.2152, 66.6451

Monochromacy



Original Color

51.8306, 61.1704, 48.6105

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

54.0002, 59.1600, 57.8631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8306, 61.1704, 48.6105 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(187, 213, 173)` looks like.

```
.text, #text, p{  
    color:rgb(187, 213, 173)  
}
```

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(187, 213, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 213, 173) }
```

Border

The CSS property to change the border of an element to XYZ 51.8306, 61.1704, 48.6105 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(187, 213, 173) }
```


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

```
.border{ border-color:rgb(187, 213, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 213, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 213, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 213, 173);  
box-shadow:4px 4px 4px 4px rgb(187, 213,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8306, 61.1704, 48.6105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 213, 173) }
```

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

```
.background{ background-color: rgb(187,  
213, 173) }
```

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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