

Converting Colors

XYZ(51.5352, 58.6410, 37.8321)

Have a look what the booklet for
XYZ(51.5352, 58.6410, 37.8321)
contains.

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Color

**XYZ(51.4766, 58.6563,
37.8869)**

Conversions

Conversions Part 1

Format	Color
Hex	C8CE97
RGB	200, 206, 151
RGB Percent	78%, 81%, 59%
CMY	0.2157, 0.1921, 0.4078
CMYK	0.03, 0.00, 0.27, 0.19
HSL	67°, 36%, 70%
HSV	67°, 27%, 81%
XYZ	51.4766, 58.6563, 37.8869
YIQ	197.9360, 14.0790, -18.3770

Conversions

Conversions Part 2

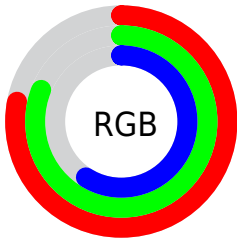
Format	Color
RYB	151, 206, 157
Decimal	13160087
CIELab	81.10, -10.98, 26.75
CIELCh	81, 28.913, 112.324
Yxy	58.6563, 0.3478, 0.3963
Android (android.graphics.Color)	4291350167 (0xFFC8CE97)
YUV	197.9360, -23.1394, 1.8101
Hunter-Lab	76.5874, -14.0530, 24.2811

Details

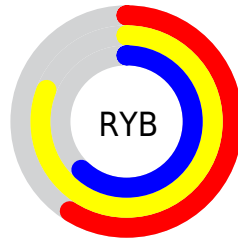
The XYZ color **51.4766, 58.6563, 37.8869** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.1141, 33.7592, 63.0085**, and the grayscale version is **53.7690, 56.5692, 61.6039**.

A 20% lighter version of the original color is **88.1406, 97.2362, 72.5155**, and **25.2055, 29.3963, 16.4022** is the 20% darker color. If you saturate the color by 10%, you get **49.3520, 57.7396, 29.8044**, and if you desaturate by 10%, it is **53.9054, 59.6998, 47.5120**.

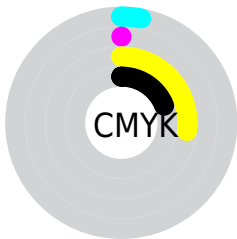
Distribution



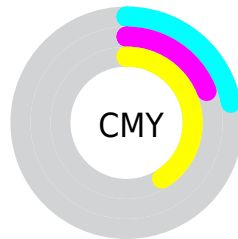
- Red (78%)
- Green (81%)
- Blue (59%)



- Red (59%)
- Yellow (81%)
- Blue (62%)



- Cyan (3%)
- Magenta (0%)
- Yellow (27%)
- Black (19%)





- Cyan (22%)
- Magenta (19%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4766, 58.6563, 37.8869 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 51.4766, 58.6563, 37.8869 by changing the saturation by 10% instead.


 51.4766, 58.6563,
37.8869

 51.4766, 58.6563,
37.8869


382.7699,
419.6270, 352.4182

 36.8106, 42.3365,
25.5938


 91.5377, 102.8780,
73.1363

 25.2339, 29.3649,
16.2970


 117.6635,
131.5486, 96.9296

 16.3811, 19.3570,
9.5779


148.3400,
165.1050, 125.3933

 9.8868, 11.9285,
5.0181

183.9325,
203.9316, 158.9461

 5.3856, 6.6950,
2.1989

224.8064,
248.4127, 198.0065

 2.5123, 3.2721,
0.6738

271.3270,

 0.9015, 1.2754,

298.9327, 242.9929

0.0000

323.8597,
355.8760, 294.3239

0.0000, 0.1220,
0.0000

0.0000, 0.0000,
0.0000

51.4766, 58.6563,
37.8869

51.4766, 58.6563,
37.8869

49.3520, 57.7396,
29.8044

53.9054, 59.6998,
47.5120

47.5118, 56.9357,
23.1807

56.6481, 60.8678,
58.7502

45.9411, 56.2405,
17.9295

59.7195, 62.1683,
71.6723

44.6212, 55.6467,
13.9544

63.1318, 63.6062,
86.3436

■ 43.5316, 55.1460,
11.1461

■ 66.8970, 65.1863,
102.8262

■ 42.6479, 54.7287,
9.3772

■ 67.7068, 65.5853,
103.6984

■ 41.9386, 54.3821,
8.4816

■ 68.3657, 65.9250,
103.7293

■ 41.7237, 54.2756,
8.2772

■ 69.0338, 66.2694,
103.7605

■ 69.7109, 66.6185,
103.7922

Harmonies

Analogous

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



57.3087, 58.6563, 36.3662



51.4766, 58.6563, 37.8869



47.0973, 58.6563, 45.7021

Triad

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



51.4766, 58.6563, 37.8869



48.9833, 58.6563, 93.7992



68.0032, 58.6563, 68.3895

Complementary

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



51.4766, 58.6563, 37.8869



36.1141, 33.7592, 63.0085

Split Complementary

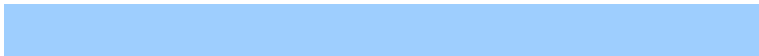
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



65.4048, 58.6563, 86.3009



51.4766, 58.6563, 37.8869



54.2219, 58.6563, 102.5925

Square

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



51.4766, 58.6563, 37.8869



45.7315, 58.6563, 77.2779



60.2558, 58.6563, 99.6268



67.1366, 58.6563, 52.1046

Rectangle

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



51.4766, 58.6563, 37.8869



45.4513, 58.6563, 54.3371



60.2558, 58.6563, 99.6268



67.4999, 58.6563, 74.4501

Sweetspot

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



51.4781, 58.6589, 37.8881



91.1230, 98.3351, 92.4725



43.0140, 39.3029, 34.5982



19.3544, 20.9841, 19.1746



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.



51.4781, 58.6589, 37.8881



81.3797, 94.1620, 53.6243



44.8929, 55.2641, 37.5800



12.0285, 13.0321, 11.9609



25.7411, 33.4453, 5.0989



1.3633, 1.7436, 0.2647

Inverse Universe

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



36.1141, 33.7592, 63.0085



52.4348, 47.2435, 100.9630



41.9762, 36.7812, 63.2829



10.7136, 10.9016, 14.1099



7.1113, 2.8735, 36.1361



0.4062, 0.1685, 1.8661

Previews

White Background



This preview shows how the XYZ color 51.4766, 58.6563, 37.8869 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 51.4766, 58.6563, 37.8869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

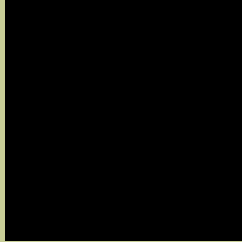
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

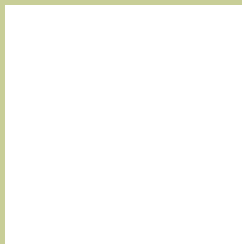
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.4766, 58.6563, 37.8869

Background



This preview shows how black text looks on a background with the XYZ color 51.4766, 58.6563, 37.8869.



This preview shows how white text looks on a background with the XYZ color 51.4766, 58.6563,

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

51.4766, 58.6563, 37.8869

Protanopia

54.6304, 58.5421, 36.8542

Deuteranopia

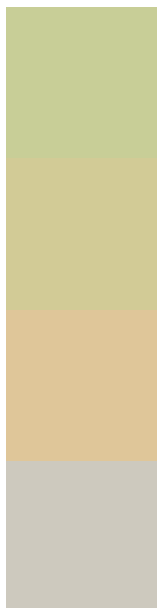
59.4948, 58.3059, 38.6903



Tritanopia

58.2167, 58.6022, 71.1938

Trichromacy



Original Color

51.4766, 58.6563, 37.8869

Protanomaly

53.4393, 58.6155, 37.3515

Deuteranomaly

56.3753, 58.3760, 38.4334

Tritanomaly

55.3577, 58.4701, 57.0834

Monochromacy



Original Color

51.4766, 58.6563, 37.8869

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

52.7803, 57.2516, 51.9849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4766, 58.6563, 37.8869 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(200, 206, 151)` looks like.

```
.text, #text, p{  
    color:rgb(200, 206, 151)  
}
```

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(200, 206, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 206, 151) }
```

Border

The CSS property to change the border of an element to XYZ 51.4766, 58.6563, 37.8869 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(200, 206, 151) }
```


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

```
.border{ border-color:rgb(200, 206, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 206, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 206, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 206, 151);  
box-shadow:4px 4px 4px 4px rgb(200, 206,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4766, 58.6563, 37.8869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 206, 151) }
```

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

```
.background{ background-color: rgb(200,  
206, 151) }
```

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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