

Converting Colors

XYZ(51.1910, 61.6683, 45.2815)

Have a look what the booklet for
XYZ(51.1910, 61.6683, 45.2815)
contains.

XYZ(51.1910, 61.6683, 45.2815)	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(51.1910, 61.6683,
45.2815)**

Conversions

Conversions Part 1

Format	Color
Hex	B9D7A6
RGB	185, 215, 166
RGB Percent	73%, 84%, 65%
CMY	0.2745, 0.1568, 0.3490
CMYK	0.14, 0.00, 0.23, 0.16
HSL	97°, 38%, 75%
HSV	97°, 23%, 84%
XYZ	51.1910, 61.6683, 45.2815
YIQ	200.4440, -2.1510, -21.5990

Conversions

Conversions Part 2

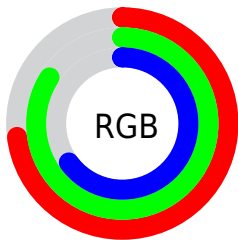
Format	Color
RYB	166, 215, 196
Decimal	12179366
CIELab	82.74, -18.78, 20.95
CIELCh	83, 28.137, 131.877
Yxy	61.6683, 0.3237, 0.3900
Android (android.graphics.Color)	4290369446 (0xFFB9D7A6)
YUV	200.4440, -16.9809, -13.5444
Hunter-Lab	78.5292, -21.0668, 20.7826

Details

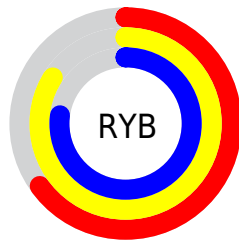
The XYZ color **51.1910, 61.6683, 45.2815** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **48.6693, 43.9161, 70.2047**, and the grayscale version is **55.2774, 58.1561, 63.3320**.

A 20% lighter version of the original color is **85.0868, 95.4412, 82.3441**, and **24.9681, 31.1818, 20.6223** is the 20% darker color. If you saturate the color by 10%, you get **46.3516, 59.3845, 35.6063**, and if you desaturate by 10%, it is **56.6575, 64.2410, 56.7097**.

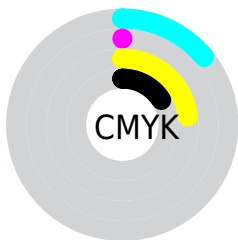
Distribution



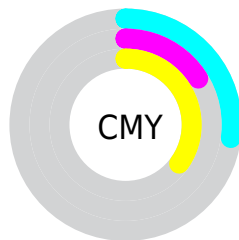
- Red (73%)
- Green (84%)
- Blue (65%)



- Red (65%)
- Yellow (84%)
- Blue (77%)



- Cyan (14%)
- Magenta (0%)
- Yellow (23%)
- Black (16%)



- Cyan (27%)
- Magenta (16%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1910, 61.6683, 45.2815 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 51.1910, 61.6683, 45.2815 by changing the saturation by 10% instead.

■ 51.1910, 61.6683,
45.2815

■ 51.1910, 61.6683,
45.2815

381.6809,
430.7201, 384.1058

■ 36.5823, 44.7647,
31.3346

■ 91.1184, 107.2460,
84.4656

■ 25.0564, 31.2722,
20.5932

■ 117.1677,
136.6889, 110.5399

■ 16.2481, 20.8062,
12.6386

147.7613,
171.0804, 141.4938

■ 9.7918, 12.9824,
7.0524

183.2646,
210.8048, 177.7458

■ 5.3224, 7.4164,
3.4159

224.0428,
256.2466, 219.7145

■ 2.4743, 3.7239,
1.3107

270.4613,

■ 0.8823, 1.5203,

307.7902, 267.8183

0.0706

322.8856,
365.8199, 322.4759

0.0000, 0.3030,
0.0000

0.0000, 0.0000,
0.0000

51.1910, 61.6683,
45.2815

51.1910, 61.6683,
45.2815

46.3516, 59.3845,
35.6063

56.6575, 64.2410,
56.7097

42.1101, 57.3709,
27.5934

62.7692, 67.1045,
69.9676

38.4420, 55.6187,
21.1503

69.5492, 70.2712,
85.1321

35.3192, 54.1158,
16.1733

77.0183, 73.7499,
102.2744

■ 32.7105, 52.8485,
12.5467

■ 82.0715, 76.2996,
105.0094

■ 30.5812, 51.8020,
10.1372

■ 83.5916, 77.0833,
105.0805

■ 28.8906, 50.9586,
8.7841

■ 27.9009, 50.4588,
8.2690

Harmonies

Analogous

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



56.2537, 61.6683, 39.5504



51.1910, 61.6683, 45.2815



48.2449, 61.6683, 57.3129

Triad

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



51.1910, 61.6683, 45.2815



55.0714, 61.6683, 104.0197



70.7424, 61.6683, 60.5246

Complementary

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



51.1910, 61.6683, 45.2815



48.6693, 43.9161, 70.2047

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.



70.3713, 61.6683, 78.0447



51.1910, 61.6683, 45.2815



61.0391, 61.6683, 105.2821

Square

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



51.1910, 61.6683, 45.2815



50.3768, 61.6683, 91.9135



66.7217, 61.6683, 95.1129



67.7031, 61.6683, 47.2833

Rectangle

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



51.1910, 61.6683, 45.2815



47.7455, 61.6683, 68.2425



66.7217, 61.6683, 95.1129



71.0178, 61.6683, 66.0619

Sweetspot

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



51.1926, 61.6710, 45.2828



88.4008, 96.8890, 94.2779



54.5145, 56.4124, 44.0927



18.8036, 20.6830, 19.9234



0.0000, 0.0000, 0.0000



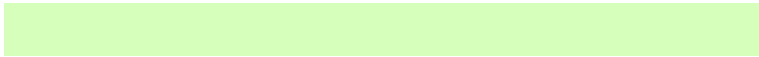
20.3446, 21.4041, 23.3091

Same Dimension

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



51.1926, 61.6710, 45.2828



72.0343, 89.1944, 59.9577



47.3693, 59.6470, 47.4956



12.7132, 14.1283, 13.2177



16.7977, 30.2358, 4.9508



1.1044, 1.8707, 0.3029

Inverse Universe

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



48.6693, 43.9161, 70.2047



67.7325, 58.9451, 102.4154



53.3082, 46.3793, 67.1835



12.4652, 12.3812, 15.6703



13.1162, 5.9141, 38.9034



0.8825, 0.4038, 2.3507

Previews

White Background



This preview shows how the XYZ color 51.1910, 61.6683, 45.2815 looks on a white background.

Color Contrast Check

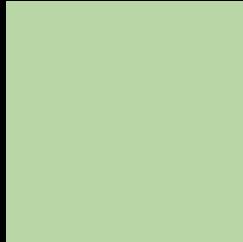
Large Text (above 18pt) WCAG AA × Fail

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 51.1910, 61.6683, 45.2815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

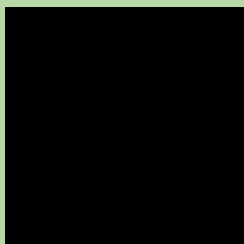
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

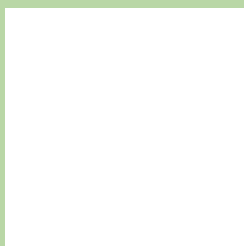
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.1910, 61.6683, 45.2815

Background



This preview shows how black text looks on a background with the XYZ color 51.1910, 61.6683, 45.2815.

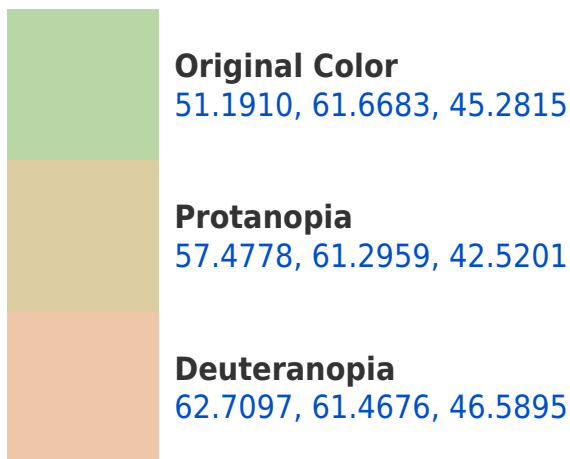


This preview shows how white text looks on a background with the XYZ color 51.1910, 61.6683,

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





Tritanopia

58.0155, 61.4768, 79.3295

Trichromacy



Original Color

51.1910, 61.6683, 45.2815

Protanomaly

55.1435, 61.5107, 43.6167

Deuteranomaly

57.9677, 61.1104, 46.2764

Tritanomaly

55.3119, 61.4813, 65.4517

Monochromacy



Original Color

51.1910, 61.6683, 45.2815

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

53.4141, 58.8956, 56.1297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1910, 61.6683, 45.2815 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, 215, 166)` looks like.

```
.text, #text, p{  
    color:rgb(185, 215, 166)  
}
```

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, 215, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 215, 166) }
```

Border

The CSS property to change the border of an element to XYZ 51.1910, 61.6683, 45.2815 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, 215, 166) }
```


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

```
.border{ border-color:rgb(185, 215, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 215, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 215, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 215, 166);  
box-shadow:4px 4px 4px 4px rgb(185, 215,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1910, 61.6683, 45.2815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 215, 166) }
```

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

```
.background{ background-color: rgb(185,  
215, 166) }
```

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