

Converting Colors

XYZ(51.0291, 61.6676, 46.0427)

Have a look what the booklet for
XYZ(51.0291, 61.6676, 46.0427)
contains.

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Color

**XYZ(50.8968, 61.4953,
46.2330)**

Conversions

Conversions Part 1

Format	Color
Hex	B7D7A8
RGB	183, 215, 168
RGB Percent	72%, 84%, 66%
CMY	0.2823, 0.1568, 0.3412
CMYK	0.15, 0.00, 0.22, 0.16
HSL	101°, 37%, 75%
HSV	101°, 22%, 84%
XYZ	50.8968, 61.4953, 46.2330
YIQ	200.0740, -3.9850, -21.4010

Conversions

Conversions Part 2

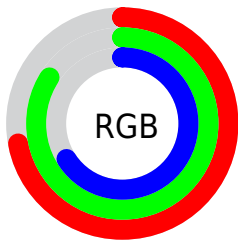
Format	Color
RYB	168, 215, 200
Decimal	12048296
CIELab	82.64, -19.16, 19.75
CIELCh	83, 27.522, 134.134
Yxy	61.4953, 0.3209, 0.3877
Android (android.graphics.Color)	4290238376 (0xFFB7D7A8)
YUV	200.0740, -15.8125, -14.9739
Hunter-Lab	78.4189, -21.3800, 19.9380

Details

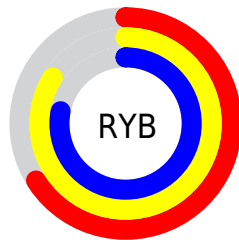
The XYZ color **50.8968, 61.4953, 46.2330** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **50.0902, 45.1926, 70.3762**, and the grayscale version is **55.0428, 57.9093, 63.0632**.

A 20% lighter version of the original color is **84.6759, 95.1984, 83.7243**, and **24.9291, 31.1484, 21.2213** is the 20% darker color. If you saturate the color by 10%, you get **45.7546, 59.0589, 36.3870**, and if you desaturate by 10%, it is **56.7356, 64.2563, 57.8429**.

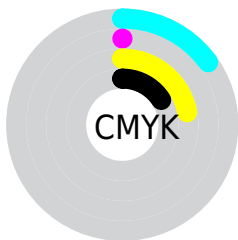
Distribution



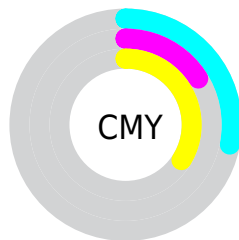
- Red (72%)
- Green (84%)
- Blue (66%)



- Red (66%)
- Yellow (84%)
- Blue (78%)



- Cyan (15%)
- Magenta (0%)
- Yellow (22%)
- Black (16%)





- Cyan (28%)
- Magenta (16%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8968, 61.4953, 46.2330 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 50.8968, 61.4953, 46.2330 by changing the saturation by 10% instead.


 50.8968, 61.4953,
46.2330


 50.8968, 61.4953,
46.2330


380.5570,
430.0877, 388.0494

 36.3472, 44.6250,
32.0797


 90.6861, 106.9958,
85.9055

 24.8738, 31.1622,
21.1571


 116.6565,
136.3947, 112.2619

 16.1113, 20.7224,
13.0465


147.1646,
170.7387, 143.5231

 9.6943, 12.9212,
7.3295

182.5756,
210.4121, 180.1075

 5.2574, 7.3743,
3.5874

223.2550,
255.7993, 222.4338

 2.4354, 3.6973,
1.4019

269.5682,

 0.8628, 1.5057,

307.2847, 270.9206

0.1432

321.8804,
365.2527, 325.9862

■ 0.0000, 0.2927,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.8968, 61.4953,
46.2330

■ 50.8968, 61.4953,
46.2330

■ 45.7546, 59.0589,
36.3870

■ 56.7356, 64.2563,
57.8429

■ 41.2770, 56.9268,
28.2148

■ 63.2920, 67.3453,
71.2929

■ 37.4364, 55.0888,
21.6241

■ 70.5918, 70.7759,
86.6598

■ 34.2011, 53.5307,
16.5125

■ 78.6583, 74.5585,
104.0146

■ 31.5366, 52.2373,
12.7652

■ 83.5917, 77.0833,
105.0806

■ 29.4043, 51.1915,
10.2506

■ 27.7596, 50.3738,
8.8110

■ 26.7284, 49.8543,
8.2141

Harmonies

Analogous

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



55.7214, 61.4953, 40.1241



50.8968, 61.4953, 46.2330



48.1974, 61.4953, 58.4588

Triad

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



50.8968, 61.4953, 46.2330



55.4011, 61.4953, 103.3448



70.1612, 61.4953, 59.3297

Complementary

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



50.8968, 61.4953, 46.2330



50.0902, 45.1926, 70.3762

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.



70.0610, 61.4953, 76.2433



50.8968, 61.4953, 46.2330



61.2651, 61.4953, 103.6846

Square

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



50.8968, 61.4953, 46.2330



50.6760, 61.4953, 92.2394



66.7146, 61.4953, 93.1019



66.9797, 61.4953, 46.7776

Rectangle

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



50.8968, 61.4953, 46.2330



47.8441, 61.4953, 69.3289



66.7146, 61.4953, 93.1019



70.5165, 61.4953, 64.6416

Sweetspot

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



50.8984, 61.4980, 46.2343



87.9771, 96.6705, 94.2581



55.5949, 58.2772, 45.3651



18.7056, 20.6325, 19.9188



0.0000, 0.0000, 0.0000



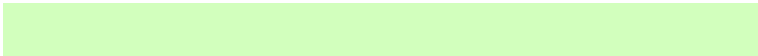
20.3446, 21.4041, 23.3091

Same Dimension

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



50.8984, 61.4980, 46.2343



71.4505, 88.8618, 61.3598



48.2707, 60.0564, 50.0370



12.6317, 14.0864, 13.2139



16.0840, 29.8679, 4.9174



1.0552, 1.8454, 0.3006

Inverse Universe

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



50.0902, 45.1926, 70.3762



70.0632, 60.9521, 102.6799



53.3121, 46.9671, 65.3968



12.5498, 12.4248, 15.6743



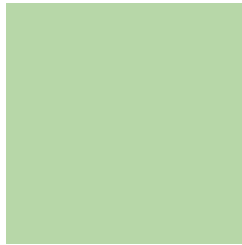
14.5827, 6.6702, 38.9720



0.9639, 0.4458, 2.3546

Previews

White Background



This preview shows how the XYZ color 50.8968, 61.4953, 46.2330 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 50.8968, 61.4953, 46.2330 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

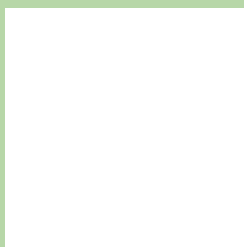
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.8968, 61.4953, 46.2330

Background



This preview shows how black text looks on a background with the XYZ color 50.8968, 61.4953, 46.2330.



This preview shows how white text looks on a background with the XYZ color 50.8968, 61.4953,

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

50.8968, 61.4953, 46.2330

Protanopia

57.3556, 61.2124, 43.4425

Deuteranopia

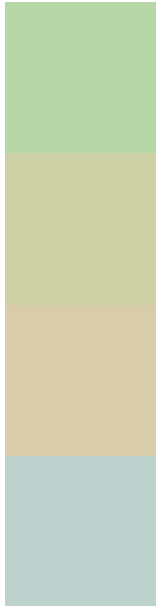
62.3377, 60.9156, 47.5021



Tritanopia

57.5056, 61.2139, 79.3056

Trichromacy



Original Color

50.8968, 61.4953, 46.2330

Protanomaly

54.7688, 61.2967, 44.5421

Deuteranomaly

57.5588, 60.8777, 47.2450

Tritanomaly

54.9319, 61.2716, 66.0581

Monochromacy



Original Color

50.8968, 61.4953, 46.2330

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

53.1566, 58.7628, 56.1177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8968, 61.4953, 46.2330 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(183, 215, 168)` looks like.

```
.text, #text, p{  
    color:rgb(183, 215, 168)  
}
```

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(183, 215, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 215, 168) }
```

Border

The CSS property to change the border of an element to XYZ 50.8968, 61.4953, 46.2330 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(183, 215, 168) }
```


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

```
.border{ border-color:rgb(183, 215, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 215, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 215, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 215, 168);  
box-shadow:4px 4px 4px 4px rgb(183, 215,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8968, 61.4953, 46.2330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 215, 168) }
```

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

```
.background{ background-color: rgb(183,  
215, 168) }
```

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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