

Converting Colors

XYZ(50.6802, 65.8404, 47.5899)

Have a look what the booklet for
XYZ(50.6802, 65.8404, 47.5899)
contains.

XYZ(50.5062, 65.5821, 47.5328)	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(50.5062, 65.5821,
47.5328)**

Conversions

Conversions Part 1

Format	Color
Hex	A8E2A9
RGB	168, 226, 169
RGB Percent	66%, 89%, 66%
CMY	0.3412, 0.1137, 0.3372
CMYK	0.26, 0.00, 0.25, 0.11
HSL	121°, 50%, 77%
HSV	121°, 26%, 89%
XYZ	50.5062, 65.5821, 47.5328
YIQ	202.1600, -16.2710, -30.0230

Conversions

Conversions Part 2

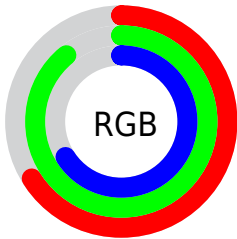
Format	Color
RYB	168, 225, 226
Decimal	11068073
CIELab	84.78, -29.42, 22.04
CIElCh	85, 36.765, 143.160
Yxy	65.5821, 0.3087, 0.4008
Android (android.graphics.Color)	4289258153 (0xFFA8E2A9)
YUV	202.1600, -16.3479, -29.9583
Hunter-Lab	80.9828, -30.3955, 21.8877

Details

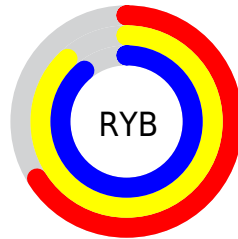
The XYZ color **50.5062, 65.5821, 47.5328** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **58.9594, 49.6116, 77.7052**, and the grayscale version is **56.3464, 59.2808, 64.5568**.

A 20% lighter version of the original color is **79.9550, 92.7491, 84.2093**, and **24.5250, 33.6112, 22.0246** is the 20% darker color. If you saturate the color by 10%, you get **44.1955, 62.5515, 37.2625**, and if you desaturate by 10%, it is **58.0108, 69.1910, 59.7106**.

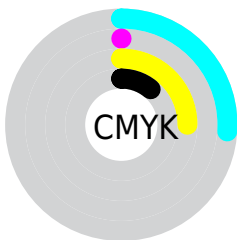
Distribution



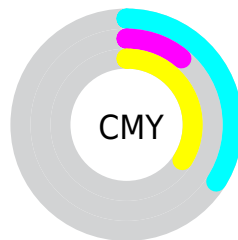
- Red (66%)
- Green (89%)
- Blue (66%)



- Red (66%)
- Yellow (88%)
- Blue (89%)



- Cyan (26%)
- Magenta (0%)
- Yellow (25%)
- Black (11%)




- Cyan (34%)
- Magenta (11%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.5062, 65.5821, 47.5328 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 50.5062, 65.5821, 47.5328 by changing the saturation by 10% instead.


 50.5062, 65.5821,
47.5328


 50.5062, 65.5821,
47.5328


379.0616,
444.8808, 393.3924

 36.0352, 47.9332,
33.0997


 90.1118, 112.8863,
87.8667

 24.6316, 33.7740,
21.9311

 115.9771,
143.3105, 114.6045

 15.9301, 22.7201,
13.6084


146.3712,
178.7619, 146.2810

 9.5652, 14.3869,
7.7132

181.6595,
219.6248, 183.3147

 5.1717, 8.3903,
3.8269

222.2073,
266.2838, 226.1242

 2.3841, 4.3457,
1.5308

268.3800,

 0.8372, 1.8687,

319.1232, 275.1279

0.2407

320.5430,
378.5274, 330.7445

■ 0.0000, 0.5295,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.5062, 65.5821,
47.5328

■ 50.5062, 65.5821,
47.5328

■ 44.1955, 62.5515,
37.2625

■ 58.0108, 69.1910,
59.7106

■ 39.0124, 60.0615,
28.7990

■ 66.7608, 73.3972,
73.8810

■ 34.8920, 58.0827,
22.0391

■ 76.8112, 78.2292,
90.1292

■ 31.7607, 56.5797,
16.8676

■ 86.4876, 82.8753,
106.0459

■ 29.5356, 55.5125,
13.1546

■ 28.1202, 54.8346,
10.7504

■ 27.3964, 54.4890,
9.4724

■ 27.2190, 54.4038,
9.1784

Harmonies

Analogous

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



56.3142, 65.5821, 37.3155



50.5062, 65.5821, 47.5328



47.9034, 65.5821, 66.1443

Triad

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



50.5062, 65.5821, 47.5328



60.4678, 65.5821, 126.5275



78.0466, 65.5821, 55.0235

Complementary

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



50.5062, 65.5821, 47.5328



58.9594, 49.6116, 77.7052

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.



79.4052, 65.5821, 76.9433



50.5062, 65.5821, 47.5328



68.7678, 65.5821, 121.7136

Square

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



50.5062, 65.5821, 47.5328



53.3178, 65.5821, 114.1719



75.8773, 65.5821, 102.1782



72.3129, 65.5821, 40.9286

Rectangle

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



50.5062, 65.5821, 47.5328



48.1580, 65.5821, 82.2321



75.8773, 65.5821, 102.1782



79.0497, 65.5821, 61.5776

Sweetspot

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



50.5079, 65.5849, 47.5343



84.8775, 95.1095, 92.4454



65.3288, 73.2361, 47.7390



17.7843, 20.1732, 19.1671



0.0000, 0.0000, 0.0000



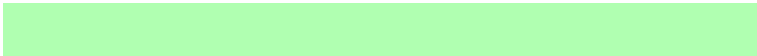
20.3446, 21.4041, 23.3091

Same Dimension

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



50.5079, 65.5849, 47.5343



61.6204, 83.9312, 54.7121



53.5358, 66.7960, 63.4790



13.5383, 15.3411, 14.6042



15.5322, 31.0377, 5.2595



1.0800, 2.1527, 0.3826

Inverse Universe

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



58.9594, 49.6116, 77.7052



74.5866, 59.4235, 100.9990



55.3362, 48.1623, 58.6258



14.2843, 13.9313, 17.2672



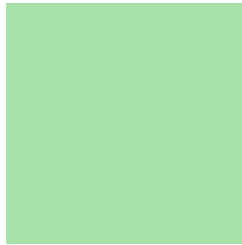
25.4276, 12.2380, 40.5131



1.7658, 0.8496, 2.8256

Previews

White Background



This preview shows how the XYZ color 50.5062, 65.5821, 47.5328 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 50.5062, 65.5821, 47.5328 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

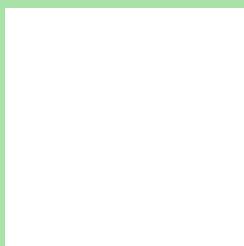
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.5062, 65.5821, 47.5328

Background



This preview shows how black text looks on a background with the XYZ color 50.5062, 65.5821, 47.5328.



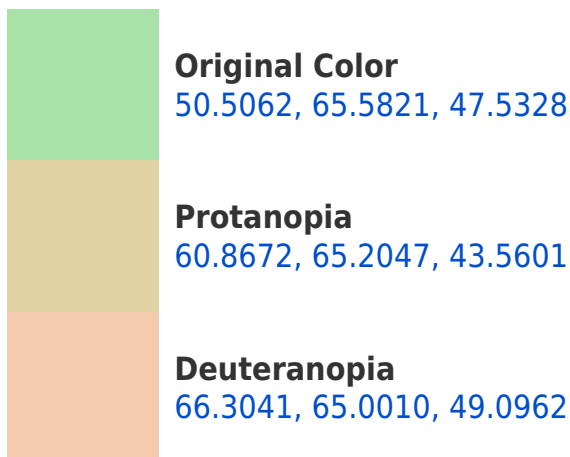
This preview shows how white text looks on a background with the XYZ color 50.5062, 65.5821,

47.5328.

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

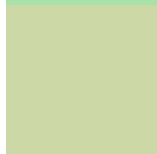
58.6306, 65.3272, 88.1165

Trichromacy



Original Color

50.5062, 65.5821, 47.5328



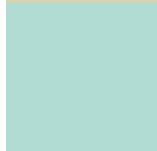
Protanomaly

56.2492, 64.6657, 45.1144



Deuteranomaly

59.0596, 64.1660, 48.3022



Tritanomaly

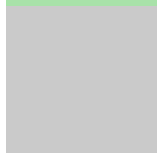
55.2556, 65.1197, 71.2851

Monochromacy



Original Color

50.5062, 65.5821, 47.5328



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

53.8237, 61.2534, 57.7015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5062, 65.5821, 47.5328 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(168, 226, 169)` looks like.

```
.text, #text, p{  
    color:rgb(168, 226, 169)  
}
```

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(168, 226, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 226, 169) }
```

Border

The CSS property to change the border of an element to XYZ 50.5062, 65.5821, 47.5328 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(168, 226, 169) }
```


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

```
.border{ border-color:rgb(168, 226, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 226, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 226, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 226, 169);  
box-shadow:4px 4px 4px 4px rgb(168, 226,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5062, 65.5821, 47.5328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 226, 169) }
```

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

```
.background{ background-color: rgb(168,  
226, 169) }
```

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