

Converting Colors

XYZ(48.2471, 60.8376, 48.5256)

Have a look what the booklet for
XYZ(48.2471, 60.8376, 48.5256)
contains.

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Color

**XYZ(48.2920, 60.8583,
48.7367)**

Conversions

Conversions Part 1

Format	Color
Hex	A7D9AD
RGB	167, 217, 173
RGB Percent	65%, 85%, 68%
CMY	0.3451, 0.1490, 0.3216
CMYK	0.23, 0.00, 0.20, 0.15
HSL	127°, 40%, 75%
HSV	127°, 23%, 85%
XYZ	48.2920, 60.8583, 48.7367
YIQ	197.0340, -15.6760, -24.2840

Conversions

Conversions Part 2

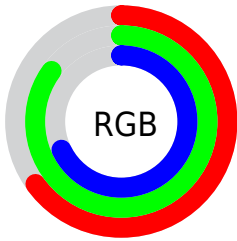
Format	Color
RYB	167, 212, 217
Decimal	11000237
CIELab	82.30, -24.74, 16.50
CIElCh	82, 29.736, 146.303
Yxy	60.8583, 0.3059, 0.3855
Android (android.graphics.Color)	4289190317 (0xFFA7D9AD)
YUV	197.0340, -11.8488, -26.3398
Hunter-Lab	78.0117, -26.0228, 17.5676

Details

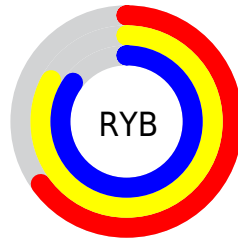
The XYZ color **48.2920, 60.8583, 48.7367** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **54.1939, 47.0936, 67.8643**, and the grayscale version is **53.1688, 55.9378, 60.9162**.

A 20% lighter version of the original color is **80.3343, 92.8651, 87.8194**, and **23.3110, 30.7985, 22.8053** is the 20% darker color. If you saturate the color by 10%, you get **42.3690, 58.0051, 39.4936**, and if you desaturate by 10%, it is **55.2517, 64.2189, 59.4096**.

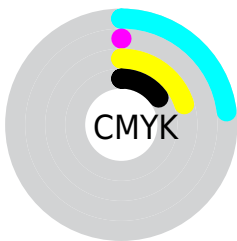
Distribution



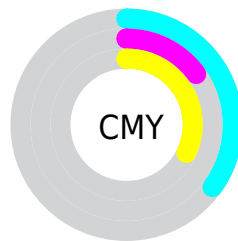
- Red (65%)
- Green (85%)
- Blue (68%)



- Red (65%)
- Yellow (83%)
- Blue (85%)



- Cyan (23%)
- Magenta (0%)
- Yellow (20%)
- Black (15%)





- Cyan (35%)
- Magenta (15%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2920, 60.8583, 48.7367 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 48.2920, 60.8583, 48.7367 by changing the saturation by 10% instead.


 48.2920, 60.8583,
48.7367


 48.2920, 60.8583,
48.7367


370.5117,
427.7543, 398.2975

 34.2704, 44.1108,
34.0465


 86.8461, 106.0737,
89.6772

 23.2653, 30.7576,
22.6517


 112.1092,
135.3105, 116.7646

 14.9113, 20.4144,
14.1337


141.8503,
169.4791, 148.8215

 8.8431, 12.6966,
8.0739

176.4347,
208.9640, 186.2665

 4.6952, 7.2200,
4.0538

216.2276,
254.1496, 229.5180

 2.1025, 3.6000,
1.6549

261.5946,

 0.6906, 1.4524,

305.4202, 278.9947

0.3296

312.9008,
363.1603, 335.1150

■ 0.0000, 0.2549,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.2920, 60.8583,
48.7367

■ 48.2920, 60.8583,
48.7367

■ 42.3690, 58.0051,
39.4936

■ 55.2517, 64.2189,
59.4096

■ 37.4283, 55.6273,
31.6157

■ 63.2893, 68.1017,
71.5651

■ 33.4179, 53.7013,
25.0396

■ 72.4498, 72.5305,
85.2584

■ 30.2790, 52.1981,
19.6951

■ 82.7744, 77.5255,
100.5406

■ 27.9461, 51.0858,
15.5055

■ 84.1040, 78.1081,
105.2513

■ 26.3443, 50.3275,
12.3854

■ 25.3843, 49.8791,
10.2378

■ 25.0009, 49.7028,
9.2556

Harmonies

Analogous

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



52.6137, 60.8583, 39.6578



48.2920, 60.8583, 48.7367



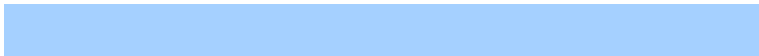
46.5224, 60.8583, 64.0408

Triad

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



48.2920, 60.8583, 48.7367



57.0623, 60.8583, 107.5185



69.4625, 60.8583, 51.9799

Complementary

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



48.2920, 60.8583, 48.7367



54.1939, 47.0936, 67.8643

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.



70.8678, 60.8583, 68.5388



48.2920, 60.8583, 48.7367



63.4099, 60.8583, 102.7061

Square

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



48.2920, 60.8583, 48.7367



51.3472, 60.8583, 99.7235



68.5791, 60.8583, 87.5589



64.8669, 60.8583, 41.2764

Rectangle

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



48.2920, 60.8583, 48.7367



46.9251, 60.8583, 76.5452



68.5791, 60.8583, 87.5589



70.3375, 60.8583, 56.9479

Sweetspot

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



48.2936, 60.8609, 48.7380



86.3583, 95.7996, 95.8274



58.7021, 66.2922, 46.2615



18.3319, 20.4314, 20.2807



0.0000, 0.0000, 0.0000



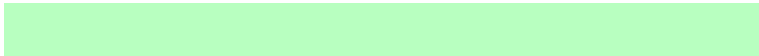
20.3446, 21.4041, 23.3091

Same Dimension

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



48.2936, 60.8609, 48.7380



64.9646, 85.4743, 63.0412



50.9248, 61.9134, 62.5938



12.9498, 14.6315, 14.1984



15.1540, 30.0942, 5.7103



1.0033, 1.9583, 0.4833

Inverse Universe

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



54.1939, 47.0936, 67.8643



74.9984, 62.0554, 95.5617



51.3165, 45.9427, 52.7119



13.5436, 13.2465, 16.1238



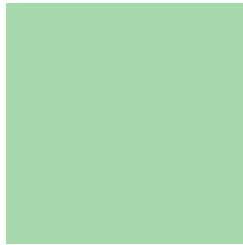
23.0382, 11.2163, 30.9111



1.5119, 0.7344, 2.1047

Previews

White Background



This preview shows how the XYZ color 48.2920, 60.8583, 48.7367 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 48.2920, 60.8583, 48.7367 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

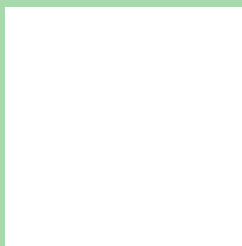
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.2920, 60.8583, 48.7367

Background



This preview shows how black text looks on a background with the XYZ color 48.2920, 60.8583, 48.7367.



This preview shows how white text looks on a background with the XYZ color 48.2920, 60.8583,

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
48.2920, 60.8583, 48.7367
Protanopia
56.8868, 60.5747, 45.2530
Deuteranopia
61.5063, 60.4305, 50.0175



Tritanopia

54.9055, 60.9313, 80.8186

Trichromacy



Original Color

48.2920, 60.8583, 48.7367

Protanomaly

53.2506, 60.4713, 46.4016

Deuteranomaly

55.7238, 59.8756, 49.6945

Tritanomaly

52.2903, 60.9777, 68.0454

Monochromacy



Original Color

48.2920, 60.8583, 48.7367

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

50.9197, 57.2557, 55.9446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2920, 60.8583, 48.7367 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(167, 217, 173)` looks like.

```
.text, #text, p{  
    color:rgb(167, 217, 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(167, 217, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 217, 173) }
```

Border

The CSS property to change the border of an element to XYZ 48.2920, 60.8583, 48.7367 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(167, 217, 173) }
```


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

```
.border{ border-color:rgb(167, 217, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 217, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 217, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 217, 173);  
box-shadow:4px 4px 4px 4px rgb(167, 217,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2920, 60.8583, 48.7367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 217, 173) }
```

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

```
.background{ background-color: rgb(167,  
217, 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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