

Converting Colors

XYZ(47.9893, 60.1963, 47.5317)

Have a look what the booklet for
XYZ(47.9893, 60.1963, 47.5317)
contains.

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Color

**XYZ(48.0550, 60.3768,
47.6492)**

Conversions

Conversions Part 1

Format	Color
Hex	A8D8AB
RGB	168, 216, 171
RGB Percent	66%, 85%, 67%
CMY	0.3412, 0.1529, 0.3294
CMYK	0.22, 0.00, 0.21, 0.15
HSL	124°, 38%, 75%
HSV	124°, 22%, 85%
XYZ	48.0550, 60.3768, 47.6492
YIQ	196.5180, -14.1630, -24.1710

Conversions

Conversions Part 2

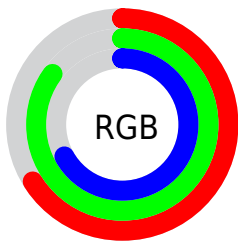
Format	Color
RYB	168, 213, 216
Decimal	11065515
CIELab	82.04, -24.27, 17.20
CIElCh	82, 29.747, 144.685
Yxy	60.3768, 0.3079, 0.3868
Android (android.graphics.Color)	4289255595 (0xFFA8D8AB)
YUV	196.5180, -12.5804, -25.0103
Hunter-Lab	77.7025, -25.5863, 18.0336

Details

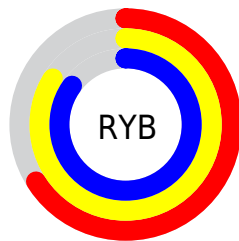
The XYZ color **48.0550, 60.3768, 47.6492** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **54.3338, 47.4097, 69.2407**, and the grayscale version is **52.8612, 55.6141, 60.5638**.

A 20% lighter version of the original color is **80.2279, 92.8583, 85.6465**, and **23.1449, 30.4665, 22.1135** is the 20% darker color. If you saturate the color by 10%, you get **42.0482, 57.4881, 38.0526**, and if you desaturate by 10%, it is **55.1246, 63.7827, 58.8417**.

Distribution



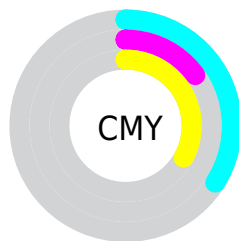
- Red (66%)
- Green (85%)
- Blue (67%)



- Red (66%)
- Yellow (84%)
- Blue (85%)



- Cyan (22%)
- Magenta (0%)
- Yellow (21%)
- Black (15%)



- Cyan (34%)
- Magenta (15%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0550, 60.3768, 47.6492 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 48.0550, 60.3768, 47.6492 by changing the saturation by 10% instead.

■ 48.0550, 60.3768,
47.6492

■ 48.0550, 60.3768,
47.6492

369.5891,
425.9853, 393.8685

■ 34.0819, 43.7224,
33.1912

■ 86.4955, 105.3761,
88.0420

■ 23.1197, 30.4523,
22.0006

■ 111.6936,
134.4897, 114.8138

■ 14.8031, 20.1822,
13.6590

141.3640,
168.5253, 146.5272

■ 8.7667, 12.5275,
7.7479

175.8722,
207.8672, 183.6009

■ 4.6452, 7.1040,
3.8486

215.5834,
252.8997, 226.4533

■ 2.0732, 3.5272,
1.5427

260.8630,

■ 0.6746, 1.4128,

304.0073, 275.5030

0.2494

312.0765,
361.5743, 331.1686

■ 0.0000, 0.2261,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.0550, 60.3768,
47.6492

■ 48.0550, 60.3768,
47.6492

■ 42.0482, 57.4881,
38.0526

■ 55.1246, 63.7827,
58.8417

■ 37.0484, 55.0842,
29.9756

■ 63.2999, 67.7212,
71.6940

■ 33.0017, 53.1407,
23.3414

■ 72.6273, 72.2166,
86.2712

■ 29.8475, 51.6282,
18.0651

■ 83.1489, 77.2895,
102.6338

■ 27.5181, 50.5137,
14.0529

■ 83.8470, 77.5940,
105.1657

■ 25.9361, 49.7597,
11.1990

■ 25.0095, 49.3213,
9.3805

■ 24.6329, 49.1444,
8.5855

Harmonies

Analogous

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



52.4727, 60.3768, 38.9790



48.0550, 60.3768, 47.6492



46.1460, 60.3768, 62.5774

Triad

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



48.0550, 60.3768, 47.6492



56.2711, 60.3768, 106.7057



69.1165, 60.3768, 52.2849

Complementary

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



48.0550, 60.3768, 47.6492



54.3338, 47.4097, 69.2407

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.



70.3181, 60.3768, 69.0076



48.0550, 60.3768, 47.6492



62.5976, 60.3768, 102.5856

Square

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



48.0550, 60.3768, 47.6492



50.6623, 60.3768, 98.3210



67.8536, 60.3768, 87.9127



64.6805, 60.3768, 41.2923

Rectangle

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



48.0550, 60.3768, 47.6492



46.4439, 60.3768, 74.9366



67.8536, 60.3768, 87.9127



69.9252, 60.3768, 57.3285

Sweetspot

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



48.0566, 60.3794, 47.6505



86.2069, 95.7390, 95.0297



59.2412, 66.1779, 46.6977



18.2969, 20.4175, 20.0967



0.0000, 0.0000, 0.0000



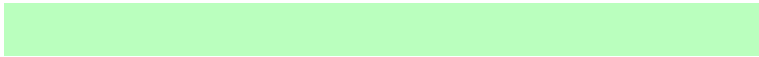
20.3446, 21.4041, 23.3091

Same Dimension

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



48.0566, 60.3794, 47.6505



65.3901, 85.7155, 62.0739



50.4887, 61.3522, 60.4577



12.2936, 13.9084, 13.3605



14.5932, 29.0926, 5.1533



0.8915, 1.7593, 0.3704

Inverse Universe

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



54.3338, 47.4097, 69.2407



76.1953, 63.3869, 99.2350



51.5740, 46.3057, 54.7075



12.9180, 12.6187, 15.5082



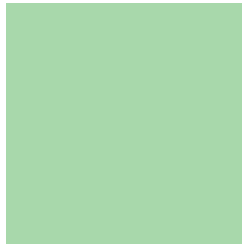
23.1220, 11.1851, 34.2763



1.4050, 0.6788, 2.1220

Previews

White Background



This preview shows how the XYZ color 48.0550, 60.3768, 47.6492 looks on a white background.

Color Contrast Check

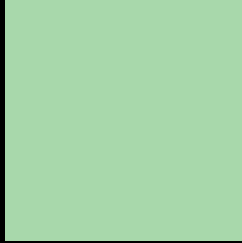
Large Text (above 18pt) WCAG AA × Fail

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 48.0550, 60.3768, 47.6492 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

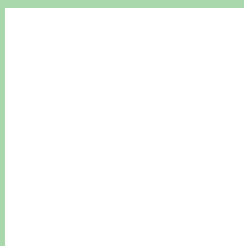
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.0550, 60.3768, 47.6492

Background



This preview shows how black text looks on a background with the XYZ color 48.0550, 60.3768, 47.6492.



This preview shows how white text looks on a background with the XYZ color 48.0550, 60.3768,

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

48.0550, 60.3768, 47.6492

Protanopia

56.4664, 60.0274, 44.2077

Deuteranopia

61.0821, 59.8986, 48.8997



Tritanopia

54.5225, 60.3843, 80.0159

Trichromacy



Original Color

48.0550, 60.3768, 47.6492

Protanomaly

53.0841, 60.0439, 45.3510

Deuteranomaly

55.2904, 59.3232, 48.5808

Tritanomaly

52.0185, 60.4934, 66.6923

Monochromacy



Original Color

48.0550, 60.3768, 47.6492

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 48.0550, 60.3768, 47.6492 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, 216, 171)` looks like.

```
.text, #text, p{  
    color:rgb(168, 216, 171)  
}
```

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, 216, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 216, 171) }
```

Border

The CSS property to change the border of an element to XYZ 48.0550, 60.3768, 47.6492 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, 216, 171) }
```


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

```
.border{ border-color:rgb(168, 216, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 216, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 216, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 216, 171);  
box-shadow:4px 4px 4px 4px rgb(168, 216,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0550, 60.3768, 47.6492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 216, 171) }
```

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

```
.background{ background-color: rgb(168,  
216, 171) }
```

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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