

Converting Colors

XYZ(47.0966, 59.9883, 38.5835)

Have a look what the booklet for
XYZ(47.0966, 59.9883, 38.5835)
contains.

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Color

**XYZ(47.1550, 60.1168,
38.3965)**

Conversions

Conversions Part 1

Format	Color
Hex	ACD897
RGB	172, 216, 151
RGB Percent	67%, 85%, 59%
CMY	0.3255, 0.1529, 0.4078
CMYK	0.20, 0.00, 0.30, 0.15
HSL	101°, 45%, 72%
HSV	101°, 30%, 85%
XYZ	47.1550, 60.1168, 38.3965
YIQ	195.4340, -5.3590, -29.5430

Conversions

Conversions Part 2

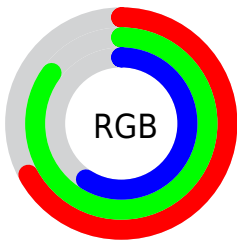
Format	Color
RYB	151, 216, 195
Decimal	11327639
CIELab	81.90, -26.17, 27.50
CIElCh	82, 37.958, 133.582
Yxy	60.1168, 0.3237, 0.4127
Android (android.graphics.Color)	4289517719 (0xFFACD897)
YUV	195.4340, -21.9060, -20.5516
Hunter-Lab	77.5350, -27.1267, 24.9132

Details

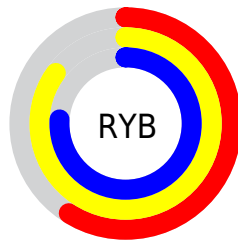
The XYZ color **47.1550, 60.1168, 38.3965** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.9696, 38.6950, 70.0151**, and the grayscale version is **52.2610, 54.9827, 59.8761**.

A 20% lighter version of the original color is **78.8955, 92.4702, 72.0828**, and **22.6529, 30.3318, 16.7173** is the 20% darker color. If you saturate the color by 10%, you get **42.5248, 57.9161, 29.8467**, and if you desaturate by 10%, it is **52.4630, 62.6333, 48.6582**.

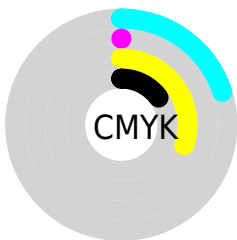
Distribution



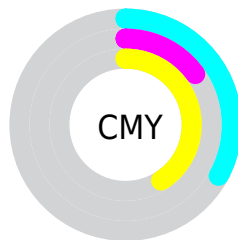
- Red (67%)
- Green (85%)
- Blue (59%)



- Red (59%)
- Yellow (85%)
- Blue (76%)



- Cyan (20%)
- Magenta (0%)
- Yellow (30%)
- Black (15%)





- Cyan (33%)
- Magenta (15%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1550, 60.1168, 38.3965 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 47.1550, 60.1168, 38.3965 by changing the saturation by 10% instead.


 47.1550, 60.1168,
38.3965


 47.1550, 60.1168,
38.3965


366.0715,
425.0282, 354.6669

 33.3667, 43.5128,
25.9864


 85.1623, 104.9991,
73.9256

 22.5681, 30.2877,
16.5878


 110.1119,
134.0461, 97.8817

 14.3938, 20.0570,
9.7822


139.5127,
168.0097, 126.5234

 8.4786, 12.4365,
5.1511

173.7300,
207.2741, 160.2694

 4.4571, 7.0417,
2.2759

213.1292,
252.2237, 199.5383

 1.9638, 3.4882,
0.7177

258.0756,

 0.6135, 1.3916,

303.2430, 244.7484

0.0000

308.9346,
360.7164, 296.3184

0.0000, 0.2105,
0.0000

0.0000, 0.0000,
0.0000

47.1550, 60.1168,
38.3965

47.1550, 60.1168,
38.3965

42.5248, 57.9161,
29.8467

52.4630, 62.6333,
48.6582

38.5386, 56.0105,
22.9118

58.4711, 65.4700,
60.7138

35.1669, 54.3888,
17.4911

65.2065, 68.6409,
74.6449

32.3755, 53.0359,
13.4711

72.6933, 72.1567,
90.5269

■ 30.1264, 51.9349,
10.7221

■ 80.3031, 75.7673,
104.9999

■ 28.3760, 51.0669,
9.0904

■ 83.8471, 77.5943,
105.1657

■ 27.0669, 50.4081,
8.3032

Harmonies

Analogous

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



53.5942, 60.1168, 31.2319



47.1550, 60.1168, 38.3965



43.5883, 60.1168, 53.7522

Triad

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



47.1550, 60.1168, 38.3965



52.8910, 60.1168, 117.6093



73.4757, 60.1168, 55.6249

Complementary

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



47.1550, 60.1168, 38.3965



45.9696, 38.6950, 70.0151

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.



73.2424, 60.1168, 78.7484



47.1550, 60.1168, 38.3965



60.8372, 60.1168, 118.4474

Square

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



47.1550, 60.1168, 38.3965



46.6818, 60.1168, 100.8631



68.4417, 60.1168, 102.9391



69.0522, 60.1168, 39.4897

Rectangle

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



47.1550, 60.1168, 38.3965



43.0905, 60.1168, 68.2547



68.4417, 60.1168, 102.9391



73.9510, 60.1168, 62.7367

Sweetspot

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



47.1565, 60.1194, 38.3978



86.0860, 95.7806, 90.3315



53.2734, 55.5680, 37.1969



18.1335, 20.3631, 18.7381



0.0000, 0.0000, 0.0000



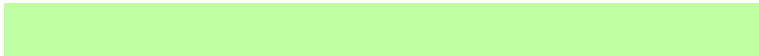
20.3446, 21.4041, 23.3091

Same Dimension

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



47.1565, 60.1194, 38.3978



64.3441, 85.4899, 47.8543



43.8270, 58.2966, 43.0484



12.6364, 14.0887, 13.2141



16.1206, 29.8868, 4.9191



1.0578, 1.8467, 0.3007

Inverse Universe

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



45.9696, 38.6950, 70.0151



62.3418, 49.5486, 100.8858



50.4274, 41.1496, 63.1508



12.5449, 12.4223, 15.6741



14.4936, 6.6242, 38.9679



0.9590, 0.4433, 2.3543

Previews

White Background



This preview shows how the XYZ color 47.1550, 60.1168, 38.3965 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 47.1550, 60.1168, 38.3965 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 47.1550, 60.1168, 38.3965

Background



This preview shows how black text looks on a background with the XYZ color 47.1550, 60.1168, 38.3965.



This preview shows how white text looks on a background with the XYZ color 47.1550, 60.1168,

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

47.1550, 60.1168, 38.3965

Protanopia

55.6802, 59.8163, 35.3991

Deuteranopia

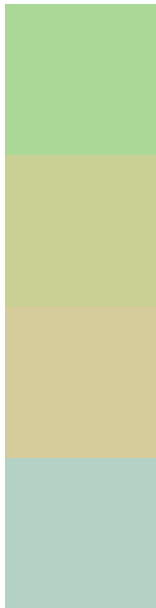
60.7758, 59.6077, 39.7547



Tritanopia

55.1605, 60.0206, 78.4899

Trichromacy



Original Color

47.1550, 60.1168, 38.3965

Protanomaly

52.1795, 59.7749, 36.3913

Deuteranomaly

54.9202, 59.3411, 39.1312

Tritanomaly

51.7150, 59.7081, 61.6225

Monochromacy



Original Color

47.1550, 60.1168, 38.3965

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

49.9861, 56.5313, 50.9249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1550, 60.1168, 38.3965 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(172, 216, 151)` looks like.

```
.text, #text, p{  
    color:rgb(172, 216, 151)  
}
```

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(172, 216, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 216, 151) }
```

Border

The CSS property to change the border of an element to XYZ 47.1550, 60.1168, 38.3965 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(172, 216, 151) }
```


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

```
.border{ border-color:rgb(172, 216, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 216, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 216, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 216, 151);  
box-shadow:4px 4px 4px 4px rgb(172, 216,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1550, 60.1168, 38.3965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 216, 151) }
```

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

```
.background{ background-color: rgb(172,  
216, 151) }
```

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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