

Converting Colors

XYZ(49.6608, 60.5947, 40.9768)

Have a look what the booklet for
XYZ(49.6608, 60.5947, 40.9768)
contains.

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Color

**XYZ(49.6608, 60.5947,
40.9768)**

Conversions

Conversions Part 1

Format	Color
Hex	B7D69D
RGB	183, 214, 157
RGB Percent	72%, 84%, 62%
CMY	0.2823, 0.1608, 0.3843
CMYK	0.14, 0.00, 0.27, 0.16
HSL	93°, 41%, 73%
HSV	93°, 27%, 84%
XYZ	49.6608, 60.5947, 40.9768
YIQ	198.2330, -0.1790, -24.2990

Conversions

Conversions Part 2

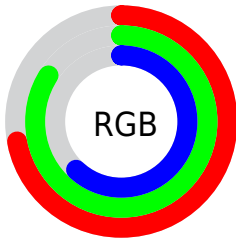
Format	Color
RYB	157, 214, 188
Decimal	12048029
CIELab	82.16, -20.39, 24.85
CIELCh	82, 32.143, 129.378
Yxy	60.5947, 0.3284, 0.4007
Android (android.graphics.Color)	4290238109 (0xFFB7D69D)
YUV	198.2330, -20.3279, -13.3593
Hunter-Lab	77.8426, -22.3479, 23.2792

Details

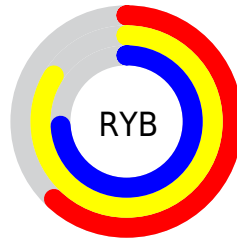
The XYZ color **49.6608, 60.5947, 40.9768** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.9360, 39.6620, 68.9087**, and the grayscale version is **53.9395, 56.7485, 61.7991**.

A 20% lighter version of the original color is **83.2403, 94.6242, 76.1644**, and **24.0012, 30.4833, 17.9835** is the 20% darker color. If you saturate the color by 10%, you get **45.3368, 58.5604, 32.0581**, and if you desaturate by 10%, it is **54.5370, 62.8804, 51.5943**.

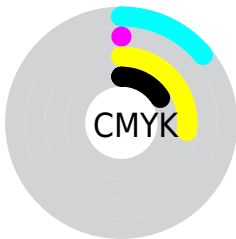
Distribution



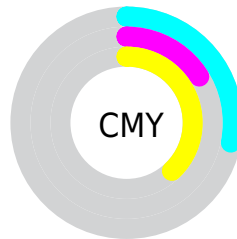
- Red (72%)
- Green (84%)
- Blue (62%)



- Red (62%)
- Yellow (84%)
- Blue (74%)



- Cyan (14%)
- Magenta (0%)
- Yellow (27%)
- Black (16%)





- Cyan (28%)
- Magenta (16%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6608, 60.5947, 40.9768 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 49.6608, 60.5947, 40.9768 by changing the saturation by 10% instead.


 49.6608, 60.5947,
40.9768


 49.6608, 60.5947,
40.9768


375.8119,
426.7864, 365.8974

 35.3606, 43.8982,
27.9814


 88.8669, 105.6919,
77.9020

 24.1086, 30.5905,
18.0727

 114.5036,
134.8613, 102.6688

 15.5394, 20.2872,
10.8322


144.6499,
168.9571, 132.1965

 9.2876, 12.6040,
5.8414

179.6710,
208.3638, 166.9037

 4.9878, 7.1564,
2.6816

219.9325,
253.4656, 207.2088

 2.2748, 3.5601,
0.9342

265.7995,

 0.7817, 1.4307,

304.6471, 253.5304

0.0000

317.6376,
362.2925, 306.2871

0.0000, 0.2392,
0.0000

0.0000, 0.0000,
0.0000

49.6608, 60.5947,
40.9768

49.6608, 60.5947,
40.9768

45.3368, 58.5604,
32.0581

54.5370, 62.8804,
51.5943

41.5380, 56.7599,
24.7461

59.9816, 65.4185,
63.9885

38.2422, 55.1858,
18.9460

66.0156, 68.2200,
78.2371

35.4232, 53.8270,
14.5514

72.6577, 71.2930,
94.4121

■ 33.0520, 52.6709,
11.4420

■ 78.4416, 74.0515,
104.7668

■ 31.0955, 51.7038,
9.4775

■ 82.5474, 76.1681,
104.9589

■ 29.5127, 50.9083,
8.4775

■ 83.3378, 76.5756,
104.9959

■ 29.0425, 50.6704,
8.2497

Harmonies

Analogous

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



55.4810, 60.5947, 35.4038



49.6608, 60.5947, 40.9768



46.1613, 60.5947, 53.6033

Triad

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



49.6608, 60.5947, 40.9768



53.0931, 60.5947, 107.7849



71.5389, 60.5947, 60.0395

Complementary

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



49.6608, 60.5947, 40.9768



44.9360, 39.6620, 68.9087

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.



70.7725, 60.5947, 80.1226



49.6608, 60.5947, 40.9768



59.7589, 60.5947, 110.4508

Square

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



49.6608, 60.5947, 40.9768



48.0315, 60.5947, 92.8160



66.3288, 60.5947, 99.5095



68.3470, 60.5947, 44.8861

Rectangle

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



49.6608, 60.5947, 40.9768



45.4400, 60.5947, 65.5701



66.3288, 60.5947, 99.5095



71.7409, 60.5947, 66.3862

Sweetspot

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



49.6624, 60.5973, 40.9781



87.9727, 96.7111, 92.3251



51.6750, 52.4433, 39.2982



18.5586, 20.5739, 19.1373



0.0000, 0.0000, 0.0000



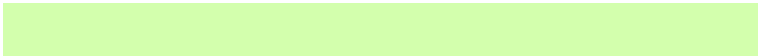
20.3446, 21.4041, 23.3091

Same Dimension

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



49.6624, 60.5973, 40.9781



70.0961, 88.3451, 53.0963



44.2023, 57.7637, 41.5761



12.7951, 14.1706, 13.2215



17.6703, 30.6857, 4.9916



1.1605, 1.8997, 0.3055

Inverse Universe

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



44.9360, 39.6620, 68.9087



61.9188, 52.1327, 101.4069



51.6871, 43.1702, 67.9651



12.3816, 12.3381, 15.6664



11.8431, 5.2578, 38.8438



0.8092, 0.3661, 2.3473

Previews

White Background



This preview shows how the XYZ color 49.6608, 60.5947, 40.9768 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 49.6608, 60.5947, 40.9768 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

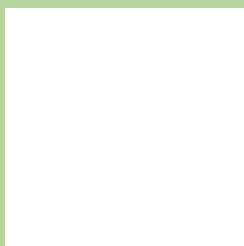
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.6608, 60.5947, 40.9768

Background



This preview shows how black text looks on a background with the XYZ color 49.6608, 60.5947, 40.9768.



This preview shows how white text looks on a background with the XYZ color 49.6608, 60.5947,

40.9768.

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

49.6608, 60.5947, 40.9768

Protanopia

56.4738, 60.5128, 38.4094

Deuteranopia

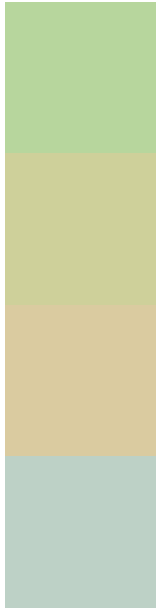
61.4328, 60.2302, 42.1059



Tritanopia

57.2484, 60.7540, 77.8166

Trichromacy



Original Color

49.6608, 60.5947, 40.9768

Protanomaly

53.8422, 60.5667, 39.4246

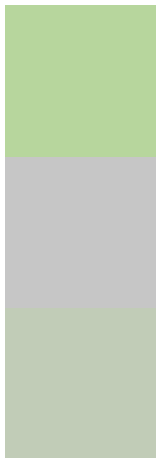
Deuteranomaly

56.6145, 60.1554, 41.8849

Tritanomaly

53.9798, 60.4970, 62.2581

Monochromacy



Original Color

49.6608, 60.5947, 40.9768

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

52.1324, 57.9421, 53.2360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6608, 60.5947, 40.9768 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, 214, 157)` looks like.

```
.text, #text, p{  
    color:rgb(183, 214, 157)  
}
```

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, 214, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 214, 157) }
```

Border

The CSS property to change the border of an element to XYZ 49.6608, 60.5947, 40.9768 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, 214, 157) }
```


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

```
.border{ border-color:rgb(183, 214, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 214, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 214, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 214, 157); box-shadow:4px 4px 4px 4px rgb(183, 214, 157) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6608, 60.5947, 40.9768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 214, 157) }
```

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

```
.background{ background-color: rgb(183,  
214, 157) }
```

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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