

Converting Colors

XYZ(49.4385, 49.1235, 19.7675)

Have a look what the booklet for
XYZ(49.4385, 49.1235, 19.7675)
contains.

XYZ(49.3088, 49.0668, 19.7039)	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(49.3088, 49.0668,
19.7039)**

Conversions

Conversions Part 1

Format	Color
Hex	E0B367
RGB	224, 179, 103
RGB Percent	88%, 70%, 40%
CMY	0.1216, 0.2980, 0.5961
CMYK	0.00, 0.20, 0.54, 0.12
HSL	38°, 66%, 64%
HSV	38°, 54%, 88%
XYZ	49.3088, 49.0668, 19.7039
YIQ	183.7910, 51.2160, -14.0960

Conversions

Conversions Part 2

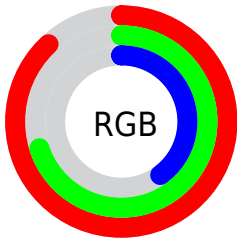
Format	Color
RYB	175, 224, 103
Decimal	14725991
CIELab	75.49, 7.39, 44.62
CIELCh	75, 45.229, 80.592
Yxy	49.0668, 0.4176, 0.4155
Android (android.graphics.Color)	4292916071 (0xFFE0B367)
YUV	183.7910, -39.8300, 35.2633
Hunter-Lab	70.0477, 3.0683, 32.3555

Details

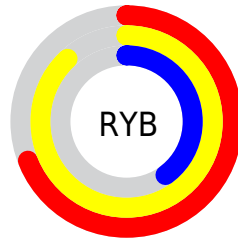
The XYZ color **49.3088, 49.0668, 19.7039** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **29.6375, 29.4440, 74.6420**, and the grayscale version is **45.6388, 48.0155, 52.2889**.

A 20% lighter version of the original color is **76.9491, 83.0770, 43.4323**, and **23.8293, 23.2857, 6.6068** is the 20% darker color. If you saturate the color by 10%, you get **46.7126, 45.4391, 14.0152**, and if you desaturate by 10%, it is **52.3094, 53.0214, 27.0141**.

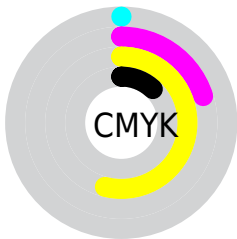
Distribution



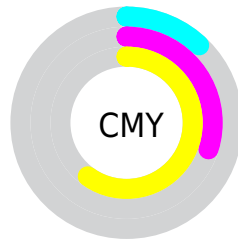
- Red (88%)
- Green (70%)
- Blue (40%)



- Red (69%)
- Yellow (88%)
- Blue (40%)



- Cyan (0%)
- Magenta (20%)
- Yellow (54%)
- Black (12%)





- Cyan (12%)
- Magenta (30%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3088, 49.0668, 19.7039 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 49.3088, 49.0668, 19.7039 by changing the saturation by 10% instead.


 49.3088, 49.0668,
19.7039


 49.3088, 49.0668,
19.7039


374.4536,
383.0052, 262.8586


 35.0800, 34.6725,
11.9981


 88.3479, 88.7907,
43.7726

 23.8913, 23.4107,
6.6198


 113.8889,
114.8890, 60.9726

 15.3773, 14.8970,
3.1507


 143.9314,
145.6574, 82.1743

 9.1727, 8.7472,
1.1721

 178.8408,
181.4804, 107.7964

 4.9120, 4.5766,
0.0000

218.9823,
222.7422, 138.2573

 2.2299, 2.0011,
0.0000

264.7214,

 0.7584, 0.6081,

269.8274, 173.9756

0.0000

316.4233,
323.1203, 215.3699

■ 0.0000, 0.0000,
0.0000

■ 49.3088, 49.0668,
19.7039

■ 49.3088, 49.0668,
19.7039

■ 46.7126, 45.4391,
14.0152

■ 52.3094, 53.0214,
27.0141

■ 44.4908, 42.1178,
9.8146

■ 55.7345, 57.3081,
36.0589

■ 42.6143, 39.0903,
6.9524

■ 59.6068, 61.9404,
46.9445

■ 41.0465, 36.3390,
5.2452

■ 63.9463, 66.9290,
59.7678

■ 40.2217, 34.8098,
4.5991

■ 68.7715, 72.2840,
74.6188

■ 74.1000, 78.0147,
91.5818

■ 79.1653, 83.8170,
106.6136

■ 81.6376, 88.7616,
107.4377

■ 84.2234, 93.9332,
108.2996

Harmonies

Analogous

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



57.5827, 49.0668, 25.2038



49.3088, 49.0668, 19.7039



41.2174, 49.0668, 20.9203

Triad

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



49.3088, 49.0668, 19.7039



33.1707, 49.0668, 71.2732



60.1655, 49.0668, 88.2311

Complementary

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



49.3088, 49.0668, 19.7039



29.6375, 29.4440, 74.6420

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.



52.5109, 49.0668, 109.0227



49.3088, 49.0668, 19.7039



37.1737, 49.0668, 97.3789

Square

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



49.3088, 49.0668, 19.7039



32.5299, 49.0668, 46.2604



44.0626, 49.0668, 112.7950



64.3253, 49.0668, 61.2945

Rectangle

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



49.3088, 49.0668, 19.7039



36.9556, 49.0668, 25.5758



44.0626, 49.0668, 112.7950



57.8757, 49.0668, 96.4702

Sweetspot

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



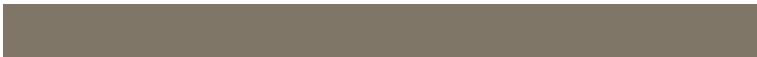
49.3100, 49.0692, 19.7049



84.5127, 88.3444, 76.3502



41.0464, 27.7304, 31.7841



17.8256, 18.6083, 15.5567



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.



49.3100, 49.0692, 19.7049



62.2044, 60.2869, 17.8643



55.6490, 67.9750, 23.0200



14.4210, 15.1281, 14.4667



23.5256, 20.4891, 2.7149



1.7156, 1.5900, 0.2165

Inverse Universe

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



29.6375, 29.4440, 74.6420



33.2420, 31.4525, 98.9266



25.6570, 18.8728, 72.8114



13.3675, 14.0741, 17.3997



9.7465, 6.9626, 41.8786



0.7594, 0.6503, 2.9307

Previews

White Background



This preview shows how the XYZ color 49.3088, 49.0668, 19.7039 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 49.3088, 49.0668, 19.7039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

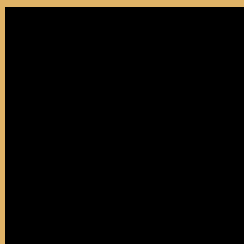
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.3088, 49.0668, 19.7039

Background



This preview shows how black text looks on a background with the XYZ color 49.3088, 49.0668, 19.7039.

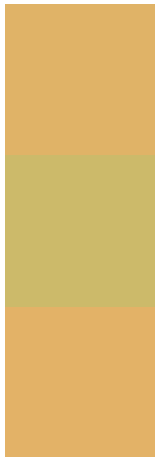


This preview shows how white text looks on a background with the XYZ color 49.3088, 49.0668,

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

49.3088, 49.0668, 19.7039

Protanopia

45.0623, 48.9958, 20.7178

Deuteranopia

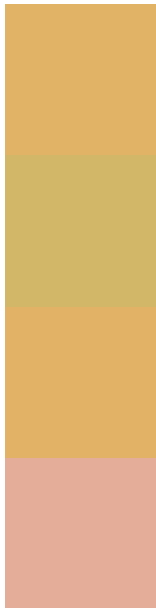
50.0471, 49.1510, 19.6813



Tritanopia

55.8770, 49.1573, 51.3430

Trichromacy



Original Color

49.3088, 49.0668, 19.7039

Protanomaly

46.3473, 48.7358, 20.3288

Deuteranomaly

49.7326, 48.9888, 19.6666

Tritanomaly

52.7712, 48.7142, 37.1933

Monochromacy



Original Color

49.3088, 49.0668, 19.7039

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.1975, 47.9646, 37.8336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3088, 49.0668, 19.7039 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(224, 179, 103)` looks like.

```
.text, #text, p{  
    color:rgb(224, 179, 103)  
}
```

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(224, 179, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 179, 103) }
```

Border

The CSS property to change the border of an element to XYZ 49.3088, 49.0668, 19.7039 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(224, 179, 103) }
```


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

```
.border{ border-color:rgb(224, 179, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 179, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 179, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 179, 103);  
box-shadow:4px 4px 4px 4px rgb(224, 179,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3088, 49.0668, 19.7039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 179, 103) }
```

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

```
.background{ background-color: rgb(224,  
179, 103) }
```

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