

Converting Colors

XYZ(49.1631, 48.0375, 9.5867)

Have a look what the booklet for
XYZ(49.1631, 48.0375, 9.5867)
contains.

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Color

**XYZ(49.1631, 48.0375,
9.5867)**

Conversions

Conversions Part 1

Format	Color
Hex	E8AF31
RGB	232, 175, 49
RGB Percent	91%, 69%, 19%
CMY	0.0902, 0.3137, 0.8078
CMYK	0.00, 0.25, 0.79, 0.09
HSL	41°, 80%, 55%
HSV	41°, 79%, 91%
XYZ	49.1631, 48.0375, 9.5867
YIQ	177.6790, 74.4180, -27.1020

Conversions

Conversions Part 2

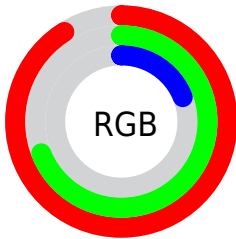
Format	Color
R_{YB}	132, 232, 49
Decimal	15249201
CIE _{Lab}	74.85, 9.77, 67.66
CIE _{LCh}	75, 68.363, 81.780
Yxy	48.0375, 0.4604, 0.4498
Android (android.graphics.Color)	4293439281 (0xFFE8AF31)
YUV	177.6790, -63.4387, 47.6395
Hunter-Lab	69.3091, 5.3247, 40.3155

Details

The XYZ color **49.1631, 48.0375, 9.5867** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **20.9860, 16.7868, 78.4776**, and the grayscale version is **42.4456, 44.6560, 48.6304**.

A 20% lighter version of the original color is **72.0866, 78.8735, 24.7893**, and **24.0962, 22.9366, 3.1572** is the 20% darker color. If you saturate the color by 10%, you get **47.4250, 45.1538, 7.1819**, and if you desaturate by 10%, it is **51.2304, 51.1772, 13.3440**.

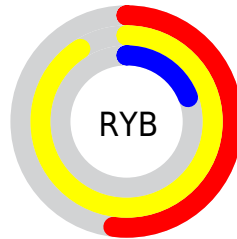
Distribution



Red (91%)

Green (69%)

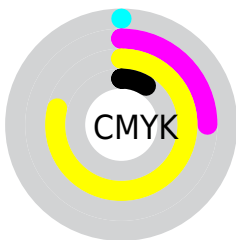
Blue (19%)



Red (52%)

Yellow (91%)

Blue (19%)

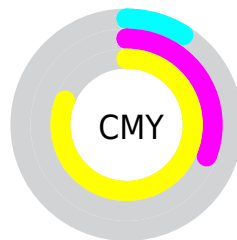


Cyan (0%)

Magenta (25%)

Yellow (79%)

Black (9%)



Cyan (9%)

Magenta (31%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1631, 48.0375, 9.5867 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 49.1631, 48.0375, 9.5867 by changing the saturation by 10% instead.

49.1631, 48.0375,
9.5867

49.1631, 48.0375,
9.5867

373.8904,
378.9407, 198.0727

34.9639, 33.8566,
5.0238

88.1329, 87.2602,
25.6107

23.8015, 22.7834,
2.2022

113.6343,
113.0708, 37.9089

15.3104, 14.4337,
0.6757

143.6338,
143.5268, 53.6226

9.1252, 8.4229,
0.0000

178.4967,
179.0125, 73.1704

4.8807, 4.3667,
0.0000

218.5885,
219.9124, 96.9707

2.2115, 1.8808,
0.0000

264.2745,

0.7488, 0.5368,

266.6108, 125.4422

0.0000

315.9200,
319.4921, 159.0034

■ 0.0000, 0.0000,
0.0000

■ 49.1631, 48.0375,
9.5867

■ 49.1631, 48.0375,
9.5867

■ 47.4250, 45.1538,
7.1819

■ 51.2304, 51.1772,
13.3440

■ 45.9601, 42.4960,
5.8550

■ 53.6587, 54.5816,
18.6303

■ 45.8050, 42.2086,
5.7329

■ 56.4789, 58.2668,
25.5983

■ 59.7174, 62.2451,
34.3813

■ 63.3980, 66.5276,
45.0990

■ 67.5424, 71.1249,
57.8611

■ 72.1708, 76.0465,
72.7686

■ 77.3021, 81.3017,
89.9162

■ 82.4993, 86.7172,
106.9977

Harmonies

Analogous

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



62.1081, 48.0375, 14.8406



49.1631, 48.0375, 9.5867



37.3478, 48.0375, 11.0015

Triad

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



49.1631, 48.0375, 9.5867



26.8578, 48.0375, 82.0529



67.1398, 48.0375, 107.1454

Complementary

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



49.1631, 48.0375, 9.5867



20.9860, 16.7868, 78.4776

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.



55.1182, 48.0375, 145.1575



49.1631, 48.0375, 9.5867



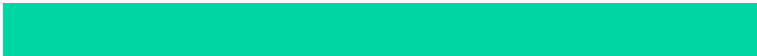
32.4042, 48.0375, 126.6670

Square

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



49.1631, 48.0375, 9.5867



25.8448, 48.0375, 43.1116



42.3240, 48.0375, 153.5806



73.6503, 48.0375, 62.7197

Rectangle

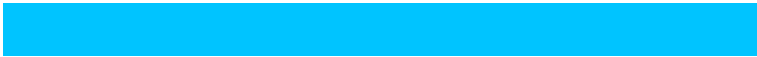
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.1631, 48.0375, 9.5867



31.5070, 48.0375, 16.0532



42.3240, 48.0375, 153.5806



63.5158, 48.0375, 121.7985

Sweetspot

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



49.1642, 48.0399, 9.5876



80.9332, 85.1021, 63.0820



37.0284, 20.4133, 15.8855



16.9385, 17.7848, 12.3305



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.



49.1642, 48.0399, 9.5876



57.5420, 53.7504, 7.7144



52.8185, 70.0017, 13.6341



15.2031, 16.0201, 15.1953



25.5464, 23.6670, 3.2218



1.9697, 1.9127, 0.2654

Inverse Universe

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



20.9860, 16.7868, 78.4776



21.7183, 14.3157, 96.2263



19.1919, 9.8419, 77.2317



13.9472, 14.6158, 18.2304



9.4807, 6.0236, 43.0461



0.7811, 0.6062, 3.2078

Previews

White Background



This preview shows how the XYZ color 49.1631, 48.0375, 9.5867 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 49.1631, 48.0375, 9.5867 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 49.1631, 48.0375, 9.5867

Background



This preview shows how black text looks on a background with the XYZ color 49.1631, 48.0375, 9.5867.



This preview shows how white text looks on a background with the XYZ color 49.1631, 48.0375,

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

49.1631, 48.0375, 9.5867

Protanopia

43.7009, 48.2113, 10.2512

Deuteranopia

49.1631, 48.0375, 9.5867



Tritanopia

56.8688, 47.8542, 47.3138

Trichromacy



Original Color

49.1631, 48.0375, 9.5867

Protanomaly

45.4403, 47.8857, 9.9799

Deuteranomaly

49.1631, 48.0375, 9.5867

Tritanomaly

52.7730, 47.2537, 27.4585

Monochromacy



Original Color

49.1631, 48.0375, 9.5867

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

43.1076, 45.0887, 27.9037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1631, 48.0375, 9.5867 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(232, 175, 49)` looks like.

```
.text, #text, p{  
    color:rgb(232, 175, 49)  
}
```

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(232, 175, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 175, 49) }
```

Border

The CSS property to change the border of an element to XYZ 49.1631, 48.0375, 9.5867 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(232, 175, 49) }
```


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

```
.border{ border-color:rgb(232, 175, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 175, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 175, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 175, 49);  
box-shadow:4px 4px 4px 4px rgb(232, 175,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1631, 48.0375, 9.5867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 175, 49) }
```

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

```
.background{ background-color: rgb(232,  
175, 49) }
```

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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