

Converting Colors

XYZ(50.0252, 49.4616, 9.3851)

Have a look what the booklet for
XYZ(50.0252, 49.4616, 9.3851)
contains.

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Color

**XYZ(49.9983, 49.3539,
9.3737)**

Conversions

Conversions Part 1

Format	Color
Hex	E9B22D
RGB	233, 178, 45
RGB Percent	91%, 70%, 18%
CMY	0.0863, 0.3019, 0.8235
CMYK	0.00, 0.24, 0.81, 0.09
HSL	42°, 81%, 55%
HSV	42°, 81%, 91%
XYZ	49.9983, 49.3539, 9.3737
YIQ	179.2830, 75.4730, -29.7030

Conversions

Conversions Part 2

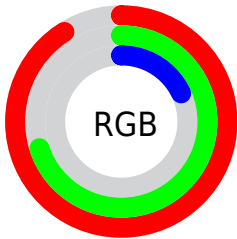
Format	Color
R_YB	123, 233, 45
Decimal	15315501
CIE _{Lab}	75.67, 8.49, 69.74
CIE _{LCh}	76, 70.257, 83.060
Yxy	49.3539, 0.4599, 0.4539
Android (android.graphics.Color)	4293505581 (0xFFE9B22D)
YUV	179.2830, -66.2015, 47.1098
Hunter-Lab	70.2523, 4.0961, 41.2656

Details

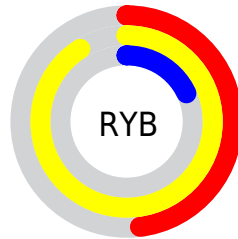
The XYZ color **49.9983, 49.3539, 9.3737** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **20.3473, 15.5551, 79.0201**, and the grayscale version is **43.3144, 45.5701, 49.6258**.

A 20% lighter version of the original color is **72.7772, 80.4971, 24.2721**, and **24.4741, 23.6924, 3.2832** is the 20% darker color. If you saturate the color by 10%, you get **48.3449, 46.5782, 7.1867**, and if you desaturate by 10%, it is **51.9685, 52.3682, 12.8869**.

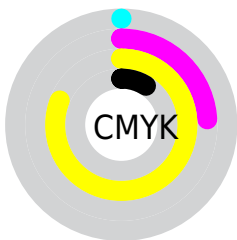
Distribution



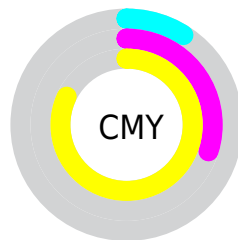
- Red (91%)
- Green (70%)
- Blue (18%)



- Red (48%)
- Yellow (91%)
- Blue (18%)



- Cyan (0%)
- Magenta (24%)
- Yellow (81%)
- Black (9%)





- Cyan (9%)
- Magenta (30%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9983, 49.3539, 9.3737 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 49.9983, 49.3539, 9.3737 by changing the saturation by 10% instead.


 49.9983, 49.3539,
9.3737


 49.9983, 49.3539,
9.3737


377.1114,
384.1339, 196.4613


 35.6298, 34.9003,
4.8856


 89.3642, 89.2168,
25.1998

 24.3172, 23.5861,
2.1227


 115.0923,
115.3950, 37.3748

 15.6951, 15.0269,
0.6292


 145.3378,
146.2501, 52.9492

 9.3981, 8.8382,
0.0000

 180.4658,
182.1665, 72.3416

 5.0610, 4.6358,
0.0000

 220.8418,
223.5288, 95.9705

 2.3182, 2.0352,
0.0000

 266.8312,

 0.8040, 0.6278,

270.7211, 124.2543

0.0000

318.7993,
324.1280, 157.6118

■ 0.0000, 0.0000,
0.0000

■ 49.9983, 49.3539,
9.3737

■ 49.9983, 49.3539,
9.3737

■ 48.3449, 46.5782,
7.1867

■ 51.9685, 52.3682,
12.8869

■ 47.0305, 44.1765,
6.0481

■ 54.2888, 55.6298,
17.9113

■ 56.9910, 59.1551,
24.6054

■ 60.1022, 62.9561,
33.1067

■ 63.6465, 67.0442,
43.5385

■ 67.6461, 71.4295,
56.0130

■ 72.1215, 76.1216,
70.6339

■ 77.0918, 81.1295,
87.4978

■ 82.5751, 86.4618,
106.6953

Harmonies

Analogous

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



63.6115, 49.3539, 14.4006



49.9983, 49.3539, 9.3737



37.7750, 49.3539, 11.0930

Triad

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



49.9983, 49.3539, 9.3737



27.4475, 49.3539, 86.9787



69.8858, 49.3539, 109.3354

Complementary

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



49.9983, 49.3539, 9.3737



20.3473, 15.5551, 79.0201

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.



57.4090, 49.3539, 150.3186



49.9983, 49.3539, 9.3737



33.4211, 49.3539, 133.7750

Square

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



49.9983, 49.3539, 9.3737



26.1966, 49.3539, 45.5358



43.9504, 49.3539, 160.8824



76.3906, 49.3539, 62.8704

Rectangle

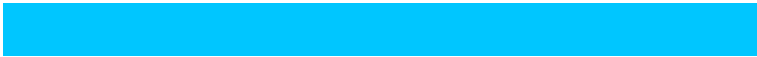
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.9983, 49.3539, 9.3737



31.8151, 49.3539, 16.5430



43.9504, 49.3539, 160.8824



66.1518, 49.3539, 124.9437

Sweetspot

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



49.9994, 49.3563, 9.3747



81.2676, 85.7709, 63.1934



36.9114, 20.1482, 14.3594



17.0195, 17.9467, 12.3575



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.



49.9994, 49.3563, 9.3747



58.1421, 54.9971, 7.7708



52.2217, 70.1223, 13.2658



15.9582, 16.8394, 15.9280



26.7985, 25.2912, 3.4693



2.1867, 2.1508, 0.2999

Inverse Universe

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



20.3473, 15.5551, 79.0201



21.0148, 13.0075, 96.0108



19.1789, 9.5814, 77.9287



14.5902, 15.2669, 19.1001



9.6170, 5.8809, 44.3712



0.8357, 0.6229, 3.5111

Previews

White Background



This preview shows how the XYZ color 49.9983, 49.3539, 9.3737 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 49.9983, 49.3539, 9.3737 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 49.9983, 49.3539, 9.3737

Background



This preview shows how black text looks on a background with the XYZ color 49.9983, 49.3539, 9.3737.



This preview shows how white text looks on a background with the XYZ color 49.9983, 49.3539,

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

49.9983, 49.3539, 9.3737

Protanopia

44.8618, 49.4475, 9.8692

Deuteranopia

50.4567, 49.2959, 9.3383



Tritanopia

58.0485, 49.2279, 49.0903

Trichromacy



Original Color

49.9983, 49.3539, 9.3737

Protanomaly

46.5471, 49.3837, 9.6635

Deuteranomaly

50.1275, 49.1262, 9.3229

Tritanomaly

53.6639, 48.5383, 27.6595

Monochromacy



Original Color

49.9983, 49.3539, 9.3737

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

43.7026, 45.9940, 27.6935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9983, 49.3539, 9.3737 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(233, 178, 45)` looks like.

```
.text, #text, p{  
    color:rgb(233, 178, 45)  
}
```

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(233, 178, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 178, 45) }
```

Border

The CSS property to change the border of an element to XYZ 49.9983, 49.3539, 9.3737 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(233, 178, 45) }
```


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

```
.border{ border-color:rgb(233, 178, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 178, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 178, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 178, 45);  
box-shadow:4px 4px 4px 4px rgb(233, 178,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9983, 49.3539, 9.3737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 178, 45) }
```

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

```
.background{ background-color: rgb(233,  
178, 45) }
```

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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