

Converting Colors

XYZ(49.1568, 54.2539, 7.8793)

Have a look what the booklet for
XYZ(49.1568, 54.2539, 7.8793)
contains.

XYZ(49.3339, 54.4024, 7.9005)	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(49.3339, 54.4024,
7.9005)**

Conversions

Conversions Part 1

Format	Color
Hex	DDC300
RGB	221, 195, 0
RGB Percent	87%, 76%, 0%
CMY	0.1333, 0.2353, 0.9999
CMYK	0.00, 0.12, 1.00, 0.13
HSL	53°, 100%, 43%
HSV	53°, 100%, 87%
XYZ	49.3339, 54.4024, 7.9005
YIQ	180.5440, 78.0910, -55.1330

Conversions

Conversions Part 2

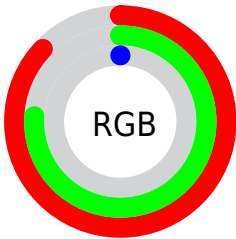
Format	Color
R _Y B	29, 221, 0
Decimal	14533376
CIE Lab	78.70, -6.34, 79.85
CIE LCh	79, 80.102, 94.543
Yxy	54.4024, 0.4419, 0.4873
Android (android.graphics.Color)	4292723456 (0xFFDDC300)
YUV	180.5440, -89.0082, 35.4799
Hunter-Lab	73.7580, -9.6846, 45.2798

Details

The XYZ color **49.3339, 54.4024, 7.9005** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **13.4210, 5.9600, 68.8490**, and the grayscale version is **44.1129, 46.4102, 50.5407**.

A 20% lighter version of the original color is **77.3374, 90.8945, 21.8558**, and **24.3709, 26.9231, 3.9122** is the 20% darker color. If you saturate the color by 10%, you get **49.3345, 54.4039, 7.9008**, and if you desaturate by 10%, it is **50.0686, 55.6385, 8.8656**.

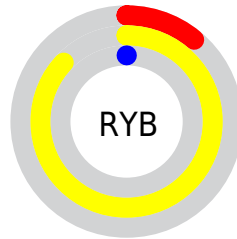
Distribution



Red (87%)

Green (76%)

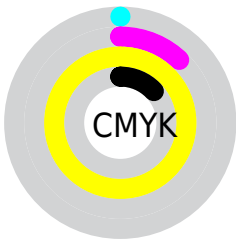
Blue (0%)



Red (11%)

Yellow (87%)

Blue (0%)

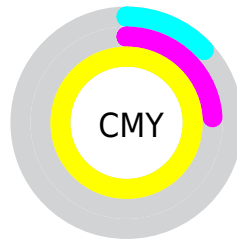


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (24%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3339, 54.4024, 7.9005 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 49.3339, 54.4024, 7.9005 by changing the saturation by 10% instead.


 49.3339, 54.4024,
7.9005


 49.3339, 54.4024,
7.9005


374.5505,
403.6426, 184.8549


 35.1001, 38.9235,
3.9445


 88.3849, 96.6648,
22.3061

 23.9068, 26.7002,
1.5949


 113.9328,
124.2171, 33.5928

 15.3889, 17.3482,
0.2872


 143.9827,
156.5626, 48.1600

 9.1809, 10.4831,
0.0000

 178.9000,
194.0858, 66.4265

 4.9174, 5.7204,
0.0000

 219.0501,
237.1710, 88.8107

 2.2331, 2.6758,
0.0000

 264.7983,

 0.7601, 0.9649,

286.2026, 115.7311

0.0000

316.5100,
341.5650, 147.6063

■ 0.0000, 0.0000,
0.0000

■ 49.3339, 54.4024,
7.9005

■ 49.3339, 54.4024,
7.9005

■ 49.3345, 54.4039,
7.9008

■ 50.0686, 55.6385,
8.8656

■ 50.9792, 56.9592,
10.7120

■ 52.1212, 58.3889,
13.7271

■ 53.5256, 59.9399,
18.0726

■ 55.2183, 61.6228,
23.8850

■ 57.2218, 63.4467,
31.2836

■ 59.5568, 65.4199,
40.3757

■ 62.2417, 67.5498,
51.2590

■ 65.2939, 69.8434,
64.0240

Harmonies

Analogous

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



65.9278, 54.4024, 10.2374



49.3339, 54.4024, 7.9005



36.2959, 54.4024, 12.5330

Triad

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



49.3339, 54.4024, 7.9005



30.4674, 54.4024, 123.6985



84.3526, 54.4024, 105.1682

Complementary

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



49.3339, 54.4024, 7.9005



13.4210, 5.9600, 68.8490

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.



70.9614, 54.4024, 163.9799



49.3339, 54.4024, 7.9005



39.6954, 54.4024, 177.9749

Square

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



49.3339, 54.4024, 7.9005



26.9107, 54.4024, 66.4124



54.1568, 54.4024, 195.5808



88.3784, 54.4024, 52.5942

Rectangle

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



49.3339, 54.4024, 7.9005



30.6636, 54.4024, 21.6881



54.1568, 54.4024, 195.5808



80.6797, 54.4024, 125.5693

Sweetspot

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



49.3351, 54.4050, 7.9016



82.2824, 90.4069, 55.4967



30.0466, 15.4636, 2.5952



17.3068, 19.0975, 10.6771



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.



49.3351, 54.4050, 7.9016



68.1666, 75.1132, 10.9055



36.6671, 57.2857, 9.1253



14.0247, 14.9887, 13.8795



28.7140, 31.7135, 4.6079



1.8980, 2.1301, 0.3111

Inverse Universe

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



13.4210, 5.9600, 68.8490



18.5141, 8.1483, 95.2047



16.4486, 6.9722, 68.8849



12.4614, 12.8626, 16.4781



7.8388, 3.5471, 40.0099



0.5498, 0.3137, 2.6060

Previews

White Background



This preview shows how the XYZ color 49.3339, 54.4024, 7.9005 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 49.3339, 54.4024, 7.9005 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 49.3339, 54.4024, 7.9005

Background



This preview shows how black text looks on a background with the XYZ color 49.3339, 54.4024, 7.9005.



This preview shows how white text looks on a background with the XYZ color 49.3339, 54.4024,

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

49.3339, 54.4024, 7.9005

Protanopia

49.0467, 54.2524, 7.9729

Deuteranopia

55.5199, 54.3567, 8.4298



Tritanopia

59.6529, 54.1437, 58.9365

Trichromacy



Original Color

49.3339, 54.4024, 7.9005

Protanomaly

49.0413, 54.2502, 7.9440

Deuteranomaly

53.2089, 54.4342, 8.1544

Tritanomaly

53.1919, 53.0670, 26.5082

Monochromacy



Original Color

49.3339, 54.4024, 7.9005

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.4184, 48.0914, 23.2138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3339, 54.4024, 7.9005 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(221, 195, 0)` looks like.

```
.text, #text, p{  
    color:rgb(221, 195, 0)  
}
```

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(221, 195, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 195, 0) }
```

Border

The CSS property to change the border of an element to XYZ 49.3339, 54.4024, 7.9005 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(221, 195, 0) }
```


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

```
.border{ border-color:rgb(221, 195, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 195, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 195, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 195, 0);  
box-shadow:4px 4px 4px 4px rgb(221, 195,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3339, 54.4024, 7.9005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 195, 0) }
```

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

```
.background{ background-color: rgb(221,  
195, 0) }
```

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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