

# Converting Colors

XYZ(41.0054, 39.1900, 7.2817)

Have a look what the booklet for  
XYZ(41.0054, 39.1900, 7.2817)  
contains.

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# Color

**XYZ(40.9120, 39.1991,  
7.3294)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D89E27
RGB	216, 158, 39
RGB Percent	85%, 62%, 15%
CMY	0.1529, 0.3804, 0.8470
CMYK	0.00, 0.27, 0.82, 0.15
HSL	40°, 69%, 50%
HSV	40°, 82%, 85%
XYZ	40.9120, 39.1991, 7.3294
YIQ	161.7760, 72.7670, -24.7130

# Conversions

## Conversions Part 2

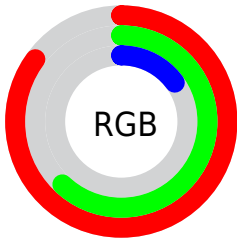
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	125, 216, 39
Decimal	14196263
CIE <sub>Lab</sub>	68.90, 11.59, 65.01
CIE <sub>LCh</sub>	69, 66.039, 79.889
Yxy	39.1991, 0.4679, 0.4483
Android (android.graphics.Color)	4292386343 (0xFFD89E27)
YUV	161.7760, -60.5286, 47.5544
Hunter-Lab	62.6092, 7.0748, 36.8856

# Details

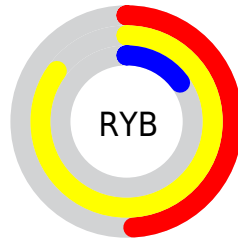
The XYZ color **40.9120, 39.1991, 7.3294** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **17.5061, 13.9385, 66.7331**, and the grayscale version is **34.4893, 36.2855, 39.5149**.

A 20% lighter version of the original color is **66.8490, 69.1732, 20.6549**, and **18.9680, 17.5833, 2.3942** is the 20% darker color. If you saturate the color by 10%, you get **39.4782, 36.7508, 5.5600**, and if you desaturate by 10%, it is **42.6206, 41.8718, 10.1951**.

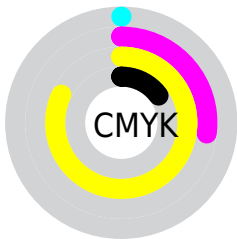
# Distribution



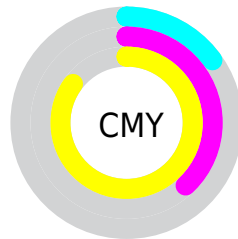
- Red (85%)
- Green (62%)
- Blue (15%)



- Red (49%)
- Yellow (85%)
- Blue (15%)



- Cyan (0%)
- Magenta (27%)
- Yellow (82%)
- Black (15%)



- Cyan (15%)
- Magenta (38%)
- Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9120, 39.1991, 7.3294 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 40.9120, 39.1991, 7.3294 by changing the saturation by 10% instead.



40.9120, 39.1991,  
7.3294

40.9120, 39.1991,  
7.3294

341.0216,  
342.7362, 180.1068

28.4377, 26.9146,  
3.5874

75.8258, 73.9424,  
21.1569

18.7980, 17.5091,  
1.4018

98.9961, 97.1700,  
32.0795

11.6275, 10.5982,  
0.1431

126.4624,  
124.8141, 46.2327

6.5610, 5.7973,  
0.0000

158.5900,  
157.2592, 64.0351

3.2330, 2.7222,  
0.0000

195.7444,  
194.8895, 85.9051

1.2781, 0.9885,  
0.0000

238.2909,

0.1668, 0.0000,

238.0895, 112.2614

0.0000

286.5948,  
287.2436, 143.5225

■ 0.0000, 0.0000,  
0.0000

■ 40.9120, 39.1991,  
7.3294

■ 40.9120, 39.1991,  
7.3294

■ 39.4782, 36.7508,  
5.5600

■ 42.6206, 41.8718,  
10.1951

■ 38.4786, 34.9186,  
4.7119

■ 44.6327, 44.7774,  
14.3142

■ 46.9754, 47.9301,  
19.8205

■ 49.6718, 51.3408,  
26.8298

■ 52.7425, 55.0195,  
35.4459

■ 56.2065, 58.9753,  
45.7630

■ 60.0812, 63.2170,  
57.8683

■ 64.3829, 67.7526,  
71.8427

■ 69.1270, 72.5899,  
87.7623

# Harmonies

## Analogous

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



51.8230, 39.1991, 11.9906



40.9120, 39.1991, 7.3294



30.8078, 39.1991, 8.1454

# Triad

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



40.9120, 39.1991, 7.3294



21.3262, 39.1991, 65.5059



54.9121, 39.1991, 91.7670

# Complementary

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



40.9120, 39.1991, 7.3294



17.5061, 13.9385, 66.7331

# 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.



44.5500, 39.1991, 123.3120



40.9120, 39.1991, 7.3294



25.7142, 39.1991, 103.8628

# Square

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



40.9120, 39.1991, 7.3294



20.7185, 39.1991, 33.3218



33.8275, 39.1991, 128.5549



60.8530, 39.1991, 53.6469



# Rectangle

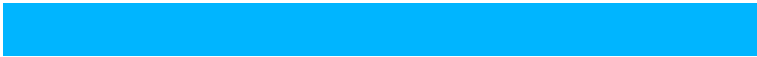
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.9120, 39.1991, 7.3294



25.7608, 39.1991, 11.9293



33.8275, 39.1991, 128.5549



51.7487, 39.1991, 104.1222

# Sweetspot

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



40.9129, 39.2011, 7.3301



80.1262, 83.9419, 61.4139



31.2492, 16.9321, 13.1773



16.7677, 17.5299, 12.0062



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.



40.9129, 39.2011, 7.3301



56.2342, 51.2036, 7.0659



45.2935, 59.7599, 11.0675



13.1140, 13.8022, 13.1336



22.8778, 20.8728, 2.8231



1.4540, 1.4071, 0.1950



# Inverse Universe

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



17.5061, 13.9385, 66.7331



21.5206, 14.0664, 96.1886



15.5395, 7.6564, 65.6242



12.0716, 12.6667, 15.7462



8.7496, 5.7610, 39.1040



0.6023, 0.4966, 2.3834



# Previews

## White Background



This preview shows how the XYZ color 40.9120, 39.1991, 7.3294 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 40.9120, 39.1991, 7.3294 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 40.9120, 39.1991, 7.3294**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.9120, 39.1991, 7.3294.



This preview shows how white text looks on a background with the XYZ color 40.9120, 39.1991,



# 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

40.9120, 39.1991, 7.3294

### Protanopia

35.5922, 39.3619, 7.9122

### Deuteranopia

40.0720, 39.2786, 7.3032



## Tritanopia

47.0367, 39.0240, 37.4010

# Trichromacy



## Original Color

40.9120, 39.1991, 7.3294

## Protanomaly

37.4086, 39.2125, 7.6949

## Deuteranomaly

40.1886, 39.0823, 7.2592

## Tritanomaly

43.6763, 38.5867, 21.3656

# Monochromacy



## Original Color

40.9120, 39.1991, 7.3294

## Achromatopsia

34.3422, 36.1307, 39.3463

## Achromatomaly

35.2472, 36.7192, 22.0594

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.9120, 39.1991, 7.3294 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(216, 158, 39)` looks like.

```
.text, #text, p{  
    color:rgb(216, 158, 39)  
}
```

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(216, 158, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 158, 39) }
```

## Border

The CSS property to change the border of an element to XYZ 40.9120, 39.1991, 7.3294 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(216, 158, 39) }
```



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

```
.border{ border-color:rgb(216, 158, 39) }
```

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

Here you see how a box with a 4 pixel rgb(216, 158, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 158, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 158, 39);  
box-shadow:4px 4px 4px 4px rgb(216, 158,  
39) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.9120, 39.1991, 7.3294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 158, 39) }
```

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

```
.background{ background-color: rgb(216,  
158, 39) }
```

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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