

# Converting Colors

XYZ(39.1896, 32.6761, 7.4671)

Have a look what the booklet for  
XYZ(39.1896, 32.6761, 7.4671)  
contains.

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# Color

**XYZ(39.1316, 32.5526,  
7.4696)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DE8534
RGB	222, 133, 52
RGB Percent	87%, 52%, 20%
CMY	0.1294, 0.4784, 0.7961
CMYK	0.00, 0.40, 0.77, 0.13
HSL	29°, 72%, 54%
HSV	29°, 77%, 87%
XYZ	39.1316, 32.5526, 7.4696
YIQ	150.3770, 79.0450, -6.3230

# Conversions

## Conversions Part 2

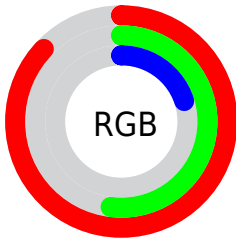
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	222, 207, 52
Decimal	14583092
CIE Lab	63.80, 28.01, 55.71
CIE LCh	64, 62.353, 63.306
Yxy	32.5526, 0.4944, 0.4113
Android (android.graphics.Color)	4292773172 (0xFFDE8534)
YUV	150.3770, -48.4999, 62.8134
Hunter-Lab	57.0549, 22.5798, 32.1762

# Details

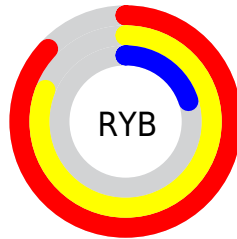
The XYZ color **39.1316, 32.5526, 7.4696** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle muted orange. A complement of this color would be **24.1252, 25.0524, 72.6709**, and the grayscale version is **29.3269, 30.8542, 33.6003**.

A 20% lighter version of the original color is **61.5090, 57.8001, 21.0114**, and **17.7912, 13.7636, 1.7189** is the 20% darker color. If you saturate the color by 10%, you get **37.2401, 29.3907, 4.9253**, and if you desaturate by 10%, it is **41.4356, 36.1640, 11.3108**.

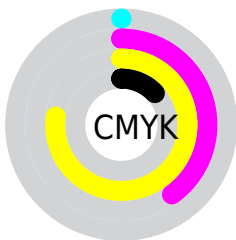
# Distribution



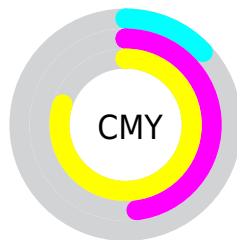
- Red (87%)
- Green (52%)
- Blue (20%)



- Red (87%)
- Yellow (81%)
- Blue (20%)



- Cyan (0%)
- Magenta (40%)
- Yellow (77%)
- Black (13%)




- Cyan (13%)
- Magenta (48%)
- Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.1316, 32.5526, 7.4696 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 39.1316, 32.5526, 7.4696 by changing the saturation by 10% instead.





 39.1316, 32.5526,  
7.4696


 39.1316, 32.5526,  
7.4696


333.6472,  
313.6289, 181.2869

 27.0433, 21.7839,  
3.6746


 73.1321, 63.6764,  
21.4406


 17.7425, 13.6982,  
1.4486


 95.7750, 84.8003,  
32.4537

 10.8638, 7.9111,  
0.1792


 122.6668,  
110.1448, 46.7100

 6.0420, 4.0381,  
0.0000

 154.1729,  
140.0941, 64.6279

 2.9115, 1.6949,  
0.0000

 190.6587,  
175.0328, 86.6260

 1.1071, 0.4204,  
0.0000

 232.4894,

 0.0311, 0.0000,

215.3453, 113.1228

0.0000

280.0305,  
261.4158, 144.5370

■ 0.0000, 0.0000,  
0.0000

■ 39.1316, 32.5526,  
7.4696

■ 39.1316, 32.5526,  
7.4696

■ 37.2401, 29.3907,  
4.9253

■ 41.4356, 36.1640,  
11.3108

■ 35.7161, 26.6470,  
3.4793

■ 44.1843, 40.2423,  
16.6024

■ 35.2558, 25.7930,  
3.1204

■ 47.4088, 44.8096,  
23.4782

■ 51.1361, 49.8848,  
32.0557

■ 55.3909, 55.4855,  
42.4416

■ 60.1960, 61.6281,  
54.7336

■ 65.5729, 68.3286,  
69.0221

■ 71.5418, 75.6018,  
85.3920

■ 78.1218, 83.4621,  
103.9232

# Harmonies

## Analogous

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



47.2416, 32.5526, 15.0210



39.1316, 32.5526, 7.4696



29.9799, 32.5526, 5.8184

# Triad

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



39.1316, 32.5526, 7.4696



16.9982, 32.5526, 38.2969



41.1305, 32.5526, 92.9012

# Complementary

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



39.1316, 32.5526, 7.4696



24.1252, 25.0524, 72.6709

# 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.



31.9209, 32.5526, 108.6064



39.1316, 32.5526, 7.4696



18.9002, 32.5526, 69.0386

# Square

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



39.1316, 32.5526, 7.4696



18.2101, 32.5526, 17.9041



23.9801, 32.5526, 98.2856



48.5402, 32.5526, 61.7993



# Rectangle

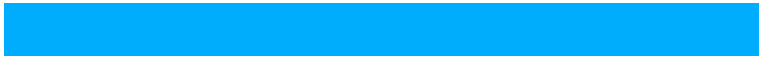
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



39.1316, 32.5526, 7.4696



24.7488, 32.5526, 7.0513



23.9801, 32.5526, 98.2856



38.0867, 32.5526, 100.6811

# Sweetspot

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



39.1323, 32.5543, 7.4702



77.9792, 78.7325, 63.5206



36.2849, 19.9588, 27.7947



16.1986, 16.2168, 12.3558



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.



39.1323, 32.5543, 7.4702



49.6466, 37.8654, 5.3727



55.3852, 65.0599, 12.8878



14.2433, 14.7725, 14.4075



21.0512, 15.5402, 1.8900



1.5484, 1.2556, 0.1607



# Inverse Universe

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



24.1252, 25.0524, 72.6709



28.2011, 27.0817, 98.3487



16.0974, 8.9969, 69.9950



13.5428, 14.4248, 17.4582



11.6681, 10.8058, 42.5191



0.8983, 0.9280, 2.9770



# Previews

## White Background



This preview shows how the XYZ color 39.1316, 32.5526, 7.4696 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 39.1316, 32.5526, 7.4696 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 39.1316, 32.5526, 7.4696**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.1316, 32.5526, 7.4696.



This preview shows how white text looks on a background with the XYZ color 39.1316, 32.5526,



# 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

39.1316, 32.5526, 7.4696

### Protanopia

29.7186, 32.6324, 8.7353

### Deuteranopia

33.1949, 32.5420, 7.2210



## Tritanopia

43.0007, 32.5572, 26.5720

# Trichromacy



## Original Color

39.1316, 32.5526, 7.4696

## Protanomaly

32.6334, 32.2293, 8.2423

## Deuteranomaly

35.1292, 32.4051, 7.3090

## Tritanomaly

41.2692, 32.4454, 17.1842

# Monochromacy



## Original Color

39.1316, 32.5526, 7.4696

## Achromatopsia

28.9890, 30.4987, 33.2131

## Achromatomaly

30.9150, 30.3915, 20.1563

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.1316, 32.5526, 7.4696 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(222, 133, 52)` looks like.

```
.text, #text, p{  
    color:rgb(222, 133, 52)  
}
```

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(222, 133, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 133, 52) }
```

## Border

The CSS property to change the border of an element to XYZ 39.1316, 32.5526, 7.4696 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(222, 133, 52) }
```



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

```
.border{ border-color:rgb(222, 133, 52) }
```

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

Here you see how a box with a 4 pixel rgb(222, 133, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 133, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 133, 52);  
box-shadow:4px 4px 4px 4px rgb(222, 133,  
52) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.1316, 32.5526, 7.4696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 133, 52) }
```

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

```
.background{ background-color: rgb(222,  
133, 52) }
```

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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