

# Converting Colors

XYZ(35.9606, 31.3596, 6.3631)

Have a look what the booklet for  
XYZ(35.9606, 31.3596, 6.3631)  
contains.

<b>XYZ(35.9459, 31.3440, 6.3459)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(35.9459, 31.3440,  
6.3459)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3872A
RGB	211, 135, 42
RGB Percent	83%, 53%, 16%
CMY	0.1726, 0.4706, 0.8353
CMYK	0.00, 0.36, 0.80, 0.17
HSL	33°, 67%, 50%
HSV	33°, 80%, 83%
XYZ	35.9459, 31.3440, 6.3459
YIQ	147.1220, 75.1490, -12.8110

# Conversions

## Conversions Part 2

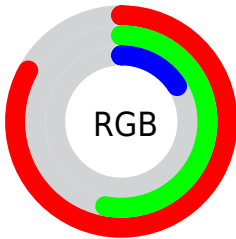
Format	Color
R <sub>Y</sub> B	180, 211, 42
Decimal	13862698
CIE Lab	62.80, 21.94, 58.31
CIE LCh	63, 62.305, 69.382
Yxy	31.3440, 0.4882, 0.4257
Android (android.graphics.Color)	4292052778 (0xFFD3872A)
YUV	147.1220, -51.8251, 56.0210
Hunter-Lab	55.9857, 16.6318, 32.4696

# Details

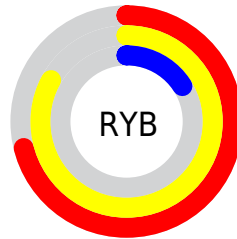
The XYZ color **35.9459, 31.3440, 6.3459** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark washed orange. A complement of this color would be **19.1908, 18.1515, 64.1198**, and the grayscale version is **27.9705, 29.4272, 32.0462**.

A 20% lighter version of the original color is **61.2888, 58.0527, 18.8015**, and **16.0110, 13.0763, 1.6801** is the 20% darker color. If you saturate the color by 10%, you get **34.3976, 28.7013, 4.4317**, and if you desaturate by 10%, it is **37.8122, 34.3054, 9.3464**.

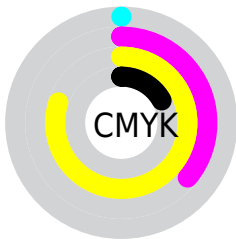
# Distribution



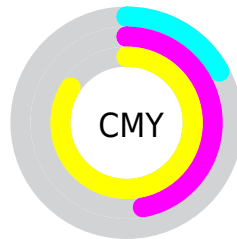
- Red (83%)
- Green (53%)
- Blue (16%)



- Red (71%)
- Yellow (83%)
- Blue (16%)



- Cyan (0%)
- Magenta (36%)
- Yellow (80%)
- Black (17%)




- Cyan (17%)
- Magenta (47%)
- Yellow (84%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9459, 31.3440, 6.3459 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 35.9459, 31.3440, 6.3459 by changing the saturation by 10% instead.





 35.9459, 31.3440,  
6.3459

 35.9459, 31.3440,  
6.3459


320.1594,  
308.1200, 171.5315


 24.5623, 20.8609,  
2.9844


 68.2730, 61.7813,  
19.1347

 15.8783, 13.0224,  
1.0867


 89.9472, 82.5042,  
29.3989


 9.5284, 7.4440,  
0.0000


 115.7823,  
107.4093, 42.8012

 5.1472, 3.7413,  
0.0000

 146.1438,  
136.8809, 59.7601

 2.3696, 1.5299,  
0.0000

 181.3968,  
171.3034, 80.6940

 0.8299, 0.3096,  
0.0000

 221.9069,

 0.0000, 0.0000,

211.0611, 106.0215

0.0000

268.0393,  
256.5385, 136.1612

■ 35.9459, 31.3440,  
6.3459

■ 35.9459, 31.3440,  
6.3459

■ 34.3976, 28.7013,  
4.4317

■ 37.8122, 34.3054,  
9.3464

■ 33.1229, 26.3669,  
3.3436

■ 40.0247, 37.5974,  
13.5767

■ 42.6101, 41.2367,  
19.1600

■ 45.5914, 45.2368,  
26.2038

■ 48.9894, 49.6103,  
34.8048

■ 52.8233, 54.3691,  
45.0510

■ 57.1110, 59.5242,  
57.0242

■ 61.8691, 65.0863,  
70.8004

■ 67.1135, 71.0656,  
86.4511

# Harmonies

## Analogous

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



44.3457, 31.3440, 12.1644



35.9459, 31.3440, 6.3459



27.1981, 31.3440, 5.6018

# Triad

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



35.9459, 31.3440, 6.3459



16.3667, 31.3440, 42.3688



41.4517, 31.3440, 84.8060

# Complementary

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



35.9459, 31.3440, 6.3459



19.1908, 18.1515, 64.1198

# 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.



32.5448, 31.3440, 104.5776



35.9459, 31.3440, 6.3459



18.8310, 31.3440, 73.4297

# Square

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



35.9459, 31.3440, 6.3459



16.9304, 31.3440, 20.1202



24.3831, 31.3440, 99.6375



47.9219, 31.3440, 53.4768



# Rectangle

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



35.9459, 31.3440, 6.3459



22.4499, 31.3440, 7.3858



24.3831, 31.3440, 99.6375



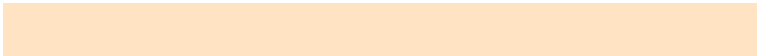
38.5811, 31.3440, 93.5711

# Sweetspot

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



35.9466, 31.3456, 6.3465



78.5557, 80.3471, 62.2895



30.9650, 16.8142, 18.7690



16.3656, 16.6389, 12.1395



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.



35.9466, 31.3456, 6.3465



51.4090, 41.5086, 5.5953



48.2182, 59.3888, 11.1126



12.3403, 12.8713, 12.4460



20.0935, 16.1199, 2.0524



1.2021, 1.0586, 0.1410



# Inverse Universe

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



19.1908, 18.1515, 64.1198



24.9279, 20.7863, 97.3061



13.9237, 7.0489, 62.2544



11.5951, 12.2805, 15.0029



9.6583, 7.9633, 38.2205



0.6187, 0.6026, 2.1633



# Previews

## White Background



This preview shows how the XYZ color 35.9459, 31.3440, 6.3459 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 35.9459, 31.3440, 6.3459 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 35.9459, 31.3440, 6.3459**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.9459, 31.3440, 6.3459.



This preview shows how white text looks on a background with the XYZ color 35.9459, 31.3440,



# 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

35.9459, 31.3440, 6.3459

### Protanopia

28.6989, 31.6456, 7.2849

### Deuteranopia

32.2135, 31.5972, 6.2348



## Tritanopia

40.1529, 31.2699, 26.8411

# Trichromacy



## Original Color

35.9459, 31.3440, 6.3459

## Protanomaly

31.0022, 31.1863, 6.8682

## Deuteranomaly

33.4443, 31.3384, 6.2057

## Tritanomaly

37.9308, 30.9362, 16.2840

# Monochromacy



## Original Color

35.9459, 31.3440, 6.3459

## Achromatopsia

27.7328, 29.1771, 31.7738

## Achromatomaly

29.1603, 29.2951, 18.5856

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.9459, 31.3440, 6.3459 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(211, 135, 42)` looks like.

```
.text, #text, p{  
    color:rgb(211, 135, 42)  
}
```

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(211, 135, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 135, 42) }
```

## Border

The CSS property to change the border of an element to XYZ 35.9459, 31.3440, 6.3459 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(211, 135, 42) }
```



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

```
.border{ border-color:rgb(211, 135, 42) }
```

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

Here you see how a box with a 4 pixel rgb(211, 135, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 135, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 135, 42);  
box-shadow:4px 4px 4px 4px rgb(211, 135,  
42) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.9459, 31.3440, 6.3459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 135, 42) }
```

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

```
.background{ background-color: rgb(211,  
135, 42) }
```

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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