

Converting Colors

XYZ(35.8627, 31.5693, 4.2033)

Have a look what the booklet for
XYZ(35.8627, 31.5693, 4.2033)
contains.

XYZ(35.9555, 31.6054, 4.2054)	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>	30

Color

**XYZ(35.9555, 31.6054,
4.2054)**

Conversions

Conversions Part 1

Format	Color
Hex	D48800
RGB	212, 136, 0
RGB Percent	83%, 53%, 0%
CMY	0.1686, 0.4666, 1.0000
CMYK	0.00, 0.36, 1.00, 0.17
HSL	38°, 100%, 42%
HSV	38°, 100%, 83%
XYZ	35.9555, 31.6054, 4.2054
YIQ	143.2200, 88.9520, -26.1840

Conversions

Conversions Part 2

Format	Color
RYB	118, 212, 0
Decimal	13928448
CIELab	63.02, 21.03, 68.63
CIElCh	63, 71.778, 72.963
Yxy	31.6054, 0.5010, 0.4404
Android (android.graphics.Color)	4292118528 (0xFFD48800)
YUV	143.2200, -70.6075, 60.3201
Hunter-Lab	56.2187, 15.7797, 34.9179

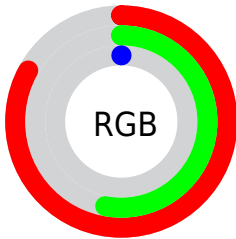
Details

The XYZ color **35.9555, 31.6054, 4.2054** is a dark color, and the websafe version is hex **CC9900**.

The color can be described as dark washed orange. A complement of this color would be **14.4683, 9.9228, 63.4394**, and the grayscale version is **26.4464, 27.8237, 30.3000**.

A 20% lighter version of the original color is **60.6073, 58.1231, 14.1554**, and **16.0903, 13.2349, 1.7065** is the 20% darker color. If you saturate the color by 10%, you get **35.9556, 31.6059, 4.2055**, and if you desaturate by 10%, it is **37.2021, 33.8792, 5.2983**.

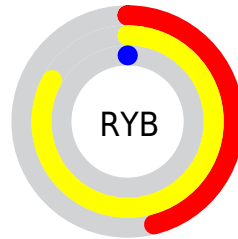
Distribution



Red (83%)

Green (53%)

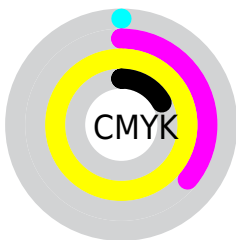
Blue (0%)



Red (46%)

Yellow (83%)

Blue (0%)

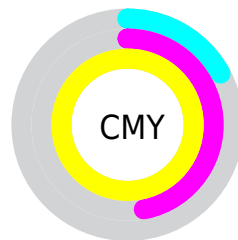


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (17%)



Cyan (17%)


Magenta (47%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9555, 31.6054, 4.2054 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 35.9555, 31.6054, 4.2054 by changing the saturation by 10% instead.


 35.9555, 31.6054,
4.2054


 35.9555, 31.6054,
4.2054


320.2006,
309.3178, 150.4817


 24.5698, 21.0603,
1.7387


 68.2877, 62.1920,
14.4808

 15.8838, 13.1681,
0.3870


 89.9649, 83.0022,
23.1265


 9.5323, 7.5444,
0.0000


 115.8033,
108.0029, 34.6690

 5.1499, 3.8048,
0.0000

 146.1682,
137.5785, 49.5268

 2.3711, 1.5650,
0.0000

 181.4251,
172.1134, 68.1184

 0.8307, 0.3338,
0.0000


 221.9392,


 0.0000, 0.0000,


211.9920, 90.8624


0.0000


 268.0759,
257.5987, 118.1774


 35.9555, 31.6054,
4.2054


 35.9555, 31.6054,
4.2054

 35.9556, 31.6059,
4.2055

 37.2021, 33.8792,
5.2983

 38.6761, 36.3665,
7.2102

 40.4301, 39.0920,
10.2072

 42.4932, 42.0697,
14.4355

 44.8901, 45.3116,
20.0185

■ 47.6426, 48.8287,
27.0644

■ 50.7704, 52.6310,
35.6704

■ 54.2916, 56.7278,
45.9251

■ 58.2230, 61.1278,
57.9107

Harmonies

Analogous

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



46.1928, 31.6054, 9.0601



35.9555, 31.6054, 4.2054



25.9778, 31.6054, 3.9637

Triad

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



35.9555, 31.6054, 4.2054



15.0722, 31.6054, 48.1133



44.9323, 31.6054, 91.5388

Complementary

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



35.9555, 31.6054, 4.2054



14.4683, 9.9228, 63.4394

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.



34.5050, 31.6054, 119.2963



35.9555, 31.6054, 4.2054



18.1744, 31.6054, 86.3884

Square

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



35.9555, 31.6054, 4.2054



15.2940, 31.6054, 20.8094



24.8117, 31.6054, 117.0182



52.1043, 31.6054, 52.9370

Rectangle

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



35.9555, 31.6054, 4.2054



20.8458, 31.6054, 5.9769



24.8117, 31.6054, 117.0182



41.6041, 31.6054, 103.1990

Sweetspot

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



35.9562, 31.6070, 4.2060



76.9533, 79.7486, 53.7203



28.5170, 14.5435, 8.4631



16.0243, 16.5326, 10.2496



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.



35.9562, 31.6070, 4.2060



54.4420, 47.6639, 6.3307



43.2468, 57.2440, 8.7702



13.0810, 13.7362, 13.1226



22.2953, 19.7078, 2.6289



1.4218, 1.3427, 0.1842

Inverse Universe

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



14.4683, 9.9228, 63.4394



21.8263, 14.7727, 96.3088



12.3701, 5.0044, 62.6006



12.1033, 12.7300, 15.7567



9.0183, 6.2983, 39.1935



0.6210, 0.5341, 2.3897

Previews

White Background



This preview shows how the XYZ color 35.9555, 31.6054, 4.2054 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 35.9555, 31.6054, 4.2054 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 35.9555, 31.6054, 4.2054

Background



This preview shows how black text looks on a background with the XYZ color 35.9555, 31.6054, 4.2054.



This preview shows how white text looks on a background with the XYZ color 35.9555, 31.6054,

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

35.9555, 31.6054, 4.2054

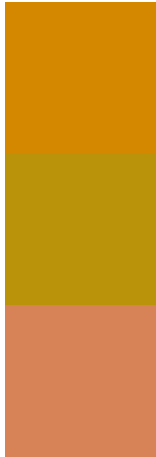
Protanopia

28.7110, 31.7012, 5.0576

Tritanopia

40.5201, 31.4510, 27.2276

Trichromacy



Original Color

35.9555, 31.6054, 4.2054

Protanomaly

30.9820, 31.4541, 4.7255

Tritanomaly

37.7273, 31.1005, 13.0314

Monochromacy



Original Color

35.9555, 31.6054, 4.2054

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

27.4149, 27.8363, 13.8256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9555, 31.6054, 4.2054 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(212, 136, 0)` looks like.

```
.text, #text, p{  
    color:rgb(212, 136, 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(212, 136, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 136, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.9555, 31.6054, 4.2054 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(212, 136, 0) }
```

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

```
.border{ border-color:rgb(212, 136, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 136, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 136, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 136, 0);  
box-shadow:4px 4px 4px 4px rgb(212, 136,  
0) }
```


Background

The CSS property to change the background color of an element to XYZ 35.9555, 31.6054, 4.2054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 136, 0) }
```

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

```
.background{ background-color: rgb(212,  
136, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor