

Converting Colors

XYZ(34.3620, 30.9173, 0.5025)

Have a look what the booklet for
XYZ(34.3620, 30.9173, 0.5025)
contains.

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Color

**XYZ(35.0987, 31.1636,
4.1653)**

Conversions

Conversions Part 1

Format	Color
Hex	D18800
RGB	209, 136, 0
RGB Percent	82%, 53%, 0%
CMY	0.1804, 0.4666, 1.0000
CMYK	0.00, 0.35, 1.00, 0.18
HSL	39°, 100%, 41%
HSV	39°, 100%, 82%
XYZ	35.0987, 31.1636, 4.1653
YIQ	142.3230, 87.1640, -26.8200

Conversions

Conversions Part 2

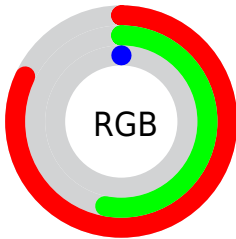
Format	Color
RYB	112, 209, 0
Decimal	13731840
CIELab	62.65, 19.73, 68.21
CIElCh	63, 71.002, 73.867
Yxy	31.1636, 0.4984, 0.4425
Android (android.graphics.Color)	4291921920 (0xFFD18800)
YUV	142.3230, -70.1652, 58.4757
Hunter-Lab	55.8244, 14.5364, 34.6532

Details

The XYZ color **35.0987, 31.1636, 4.1653** 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 **13.8916, 9.3693, 61.3976**, and the grayscale version is **26.0859, 27.4444, 29.8870**.

A 20% lighter version of the original color is **60.6073, 58.1231, 14.1554**, and **15.5405, 12.9515, 1.6808** is the 20% darker color. If you saturate the color by 10%, you get **35.0988, 31.1641, 4.1654**, and if you desaturate by 10%, it is **36.2973, 33.3458, 5.2285**.

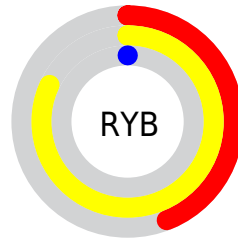
Distribution



Red (82%)

Green (53%)

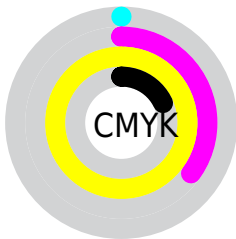
Blue (0%)



Red (44%)

Yellow (82%)

Blue (0%)

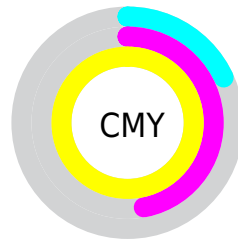


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (18%)



Cyan (18%)


Magenta (47%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.0987, 31.1636, 4.1653 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 35.0987, 31.1636, 4.1653 by changing the saturation by 10% instead.


 35.0987, 31.1636,
4.1653


 35.0987, 31.1636,
4.1653


316.5042,
307.2913, 150.0453


 23.9058, 20.7235,
1.7165


 66.9717, 61.4976,
14.3892

 15.3881, 12.9220,
0.3720


 88.3824, 82.1602,
23.0014

 9.1803, 7.3749,
0.0000


 113.9298,
106.9990, 34.5051

 4.9170, 3.6976,
0.0000

 143.9792,
136.3986, 49.3189

 2.2329, 1.5059,
0.0000

 178.8960,
170.7432, 67.8612


 0.7600, 0.2929,
0.0000


 219.0455,


 0.0000, 0.0000,


210.4172, 90.5507


0.0000


 264.7931,
255.8051, 117.8059


 35.0987, 31.1636,
4.1653


 35.0987, 31.1636,
4.1653


 35.0988, 31.1641,
4.1654

 36.2973, 33.3458,
5.2285

 37.7121, 35.7274,
7.0813

 39.3942, 38.3322,
9.9830

 41.3715, 41.1735,
14.0746

 43.6678, 44.2626,
19.4752

■ 46.3041, 47.6100,
26.2892

■ 49.2993, 51.2251,
34.6102

■ 52.6707, 55.1167,
44.5241

■ 56.4345, 59.2930,
56.1099

Harmonies

Analogous

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



45.1668, 31.1636, 8.7759



35.0987, 31.1636, 4.1653



25.3796, 31.1636, 4.0320

Triad

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



35.0987, 31.1636, 4.1653



14.9758, 31.1636, 48.3771



44.4806, 31.1636, 88.6946

Complementary

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



35.0987, 31.1636, 4.1653



13.8916, 9.3693, 61.3976

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.



34.3084, 31.1636, 116.4484



35.0987, 31.1636, 4.1653



18.1259, 31.1636, 85.8955

Square

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



35.0987, 31.1636, 4.1653



15.0971, 31.1636, 21.1709



24.7434, 31.1636, 115.2112



51.3378, 31.1636, 51.0031

Rectangle

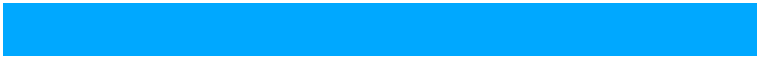
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.0987, 31.1636, 4.1653



20.4118, 31.1636, 6.1268



24.7434, 31.1636, 115.2112



41.2496, 31.1636, 100.2246

Sweetspot

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



35.0994, 31.1652, 4.1659



77.1469, 80.1358, 53.7849



27.5023, 14.0386, 7.5909



16.0706, 16.6250, 10.2650



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.



35.0994, 31.1652, 4.1659



54.8645, 48.5090, 6.4715



41.0806, 55.0245, 8.4559



12.4414, 13.0736, 12.4798



21.7364, 19.4058, 2.6001



1.2882, 1.2307, 0.1697

Inverse Universe

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



13.8916, 9.3693, 61.3976



21.6277, 14.3755, 96.2426



12.0847, 4.9006, 60.6303



11.4966, 12.0834, 14.9701



8.6487, 5.9440, 37.8840



0.5572, 0.4796, 2.1428

Previews

White Background



This preview shows how the XYZ color 35.0987, 31.1636, 4.1653 looks on a white background.

Color Contrast Check

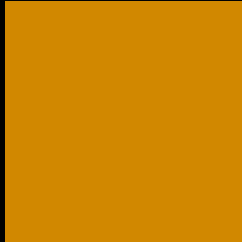
Large Text (above 18pt) WCAG AA × Fail

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 35.0987, 31.1636, 4.1653 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 35.0987, 31.1636, 4.1653

Background



This preview shows how black text looks on a background with the XYZ color 35.0987, 31.1636, 4.1653.



This preview shows how white text looks on a background with the XYZ color 35.0987, 31.1636,

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

35.0987, 31.1636, 4.1653

Protanopia

28.1021, 31.1461, 4.9461

Deuteranopia

31.7115, 31.1530, 4.3418



Tritanopia

39.9291, 31.1464, 27.1999

Trichromacy



Original Color

35.0987, 31.1636, 4.1653

Protanomaly

30.3358, 30.8918, 4.6223

Deuteranomaly

32.8136, 31.0555, 4.2649

Tritanomaly

37.1435, 30.7995, 13.0040

Monochromacy



Original Color

35.0987, 31.1636, 4.1653

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

26.9494, 27.6013, 13.5801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0987, 31.1636, 4.1653 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(209, 136, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 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(209, 136, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 136, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.0987, 31.1636, 4.1653 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(209, 136, 0) }
```


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

```
.border{ border-color:rgb(209, 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(209, 136, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 136, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 136, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 136,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0987, 31.1636, 4.1653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 136, 0) }
```

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

```
.background{ background-color: rgb(209,  
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](#).

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