

Converting Colors

XYZ(40.4215, 37.0283, 5.0167)

Have a look what the booklet for
XYZ(40.4215, 37.0283, 5.0167)
contains.

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Color

**XYZ(40.4215, 37.0283,
5.0167)**

Conversions

Conversions Part 1

Format	Color
Hex	DC9600
RGB	220, 150, 0
RGB Percent	86%, 59%, 0%
CMY	0.1373, 0.4117, 1.0000
CMYK	0.00, 0.32, 1.00, 0.14
HSL	41°, 100%, 43%
HSV	41°, 100%, 86%
XYZ	40.4215, 37.0283, 5.0167
YIQ	153.8300, 89.8700, -31.8100

Conversions

Conversions Part 2

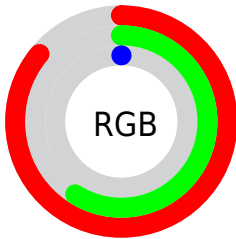
Format	Color
RYB	103, 220, 0
Decimal	14456320
CIELab	67.30, 16.96, 71.92
CIELCh	67, 73.891, 76.729
Yxy	37.0283, 0.4902, 0.4490
Android (android.graphics.Color)	4292646400 (0xFFDC9600)
YUV	153.8300, -75.8382, 58.0311
Hunter-Lab	60.8509, 12.0834, 37.7076

Details

The XYZ color **40.4215, 37.0283, 5.0167** 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 **15.1087, 9.5482, 68.7562**, and the grayscale version is **30.9366, 32.5477, 35.4445**.

A 20% lighter version of the original color is **64.1029, 64.9537, 15.8153**, and **18.7599, 16.2946, 2.1564** is the 20% darker color. If you saturate the color by 10%, you get **40.4217, 37.0290, 5.0169**, and if you desaturate by 10%, it is **41.7178, 39.3894, 6.1638**.

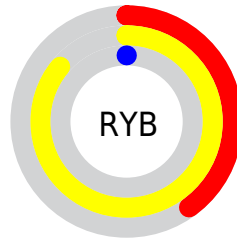
Distribution



Red (86%)

Green (59%)

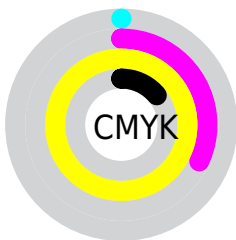
Blue (0%)



Red (40%)

Yellow (86%)

Blue (0%)

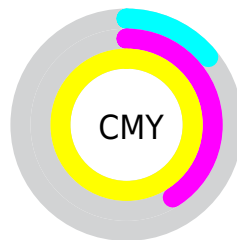


Cyan (0%)

Magenta (32%)

Yellow (100%)

Black (14%)



Cyan (14%)

Magenta (41%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4215, 37.0283, 5.0167 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 40.4215, 37.0283, 5.0167 by changing the saturation by 10% instead.

40.4215, 37.0283,
5.0167

40.4215, 37.0283,
5.0167

339.0010,
333.4330, 158.9323

28.0530, 25.2294,
2.1982

75.0852, 70.6163,
16.2939

18.5063, 16.2481,
0.6733

98.1111, 93.1742,
25.5897

11.4160, 9.6999,
0.0000

125.4202,
120.0872, 37.8816

6.4167, 5.2004,
0.0000

157.3779,
151.7398, 53.5882

3.1431, 2.3653,
0.0000

194.3494,
188.5162, 73.1280

1.2299, 0.8080,
0.0000

236.7002,

0.1298, 0.0000,

230.8010, 96.9196

0.0000

284.7956,
278.9785, 125.3815

0.0000, 0.0000,
0.0000

40.4215, 37.0283,
5.0167

40.4215, 37.0283,
5.0167

40.4217, 37.0290,
5.0169

41.7178, 39.3894,
6.1638

43.2462, 41.9503,
8.2019

45.0625, 44.7368,
11.4160

47.1982, 47.7630,
15.9666

49.6799, 51.0413,
21.9886

■ 52.5311, 54.5829,
29.6007

■ 55.7729, 58.3976,
38.9090

■ 59.4246, 62.4948,
50.0107

■ 63.5043, 66.8833,
62.9954

Harmonies

Analogous

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



52.2881, 37.0283, 9.8611



40.4215, 37.0283, 5.0167



29.3028, 37.0283, 5.2629

Triad

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



40.4215, 37.0283, 5.0167



18.2169, 37.0283, 61.0146



53.5049, 37.0283, 99.7840

Complementary

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



40.4215, 37.0283, 5.0167



15.1087, 9.5482, 68.7562

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.



41.8269, 37.0283, 134.1010



40.4215, 37.0283, 5.0167



22.3025, 37.0283, 104.7231

Square

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



40.4215, 37.0283, 5.0167



17.9989, 37.0283, 27.6533



30.4383, 37.0283, 136.2790



60.8621, 37.0283, 56.3559

Rectangle

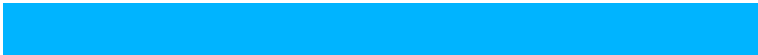
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.4215, 37.0283, 5.0167



23.7333, 37.0283, 8.1816



30.4383, 37.0283, 136.2790



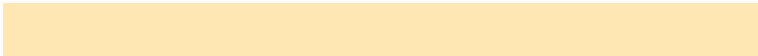
49.8540, 37.0283, 113.5863

Sweetspot

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



40.4223, 37.0302, 5.0174



77.8071, 81.4562, 54.0049



30.7290, 15.7013, 7.7738



16.2284, 16.9407, 10.3176



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.



40.4223, 37.0302, 5.0174



56.3504, 51.4808, 6.9668



45.2011, 61.2943, 9.4490



13.7947, 14.5288, 13.8029



23.8277, 21.9409, 2.9792



1.6200, 1.5740, 0.2184

Inverse Universe

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



15.1087, 9.5482, 68.7562



21.0023, 13.1246, 96.0341



13.6697, 5.5549, 68.0612



12.6751, 13.2900, 16.5493



8.9559, 5.7812, 40.3823



0.6565, 0.5270, 2.6416

Previews

White Background



This preview shows how the XYZ color 40.4215, 37.0283, 5.0167 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 40.4215, 37.0283, 5.0167 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 40.4215, 37.0283, 5.0167

Background



This preview shows how black text looks on a background with the XYZ color 40.4215, 37.0283, 5.0167.



This preview shows how white text looks on a background with the XYZ color 40.4215, 37.0283,

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

40.4215, 37.0283, 5.0167

Protanopia

33.5420, 37.2563, 5.8388

Deuteranopia

37.9009, 37.1868, 5.1802



Tritanopia

46.1017, 36.8360, 33.5344

Trichromacy



Original Color

40.4215, 37.0283, 5.0167

Protanomaly

35.9088, 37.1671, 5.5398

Deuteranomaly

38.7070, 37.1083, 5.1225

Tritanomaly

42.6285, 36.3184, 15.5899

Monochromacy



Original Color

40.4215, 37.0283, 5.0167

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.9559, 33.1293, 16.2656

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4215, 37.0283, 5.0167 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(220, 150, 0)` looks like.

```
.text, #text, p{  
    color:rgb(220, 150, 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(220, 150, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 150, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.4215, 37.0283, 5.0167 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(220, 150, 0) }
```


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

```
.border{ border-color:rgb(220, 150, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 150, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 150, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 150, 0);  
box-shadow:4px 4px 4px 4px rgb(220, 150,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4215, 37.0283, 5.0167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 150, 0) }
```

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

```
.background{ background-color: rgb(220,  
150, 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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