

Converting Colors

XYZ(40.4327, 39.3868, 6.2054)

Have a look what the booklet for
XYZ(40.4327, 39.3868, 6.2054)
contains.

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Color

**XYZ(40.4472, 39.4957,
6.2507)**

Conversions

Conversions Part 1

Format	Color
Hex	D6A016
RGB	214, 160, 22
RGB Percent	84%, 63%, 9%
CMY	0.1608, 0.3725, 0.9137
CMYK	0.00, 0.25, 0.90, 0.16
HSL	43°, 81%, 46%
HSV	43°, 90%, 84%
XYZ	40.4472, 39.4957, 6.2507
YIQ	160.4140, 76.4820, -31.4700

Conversions

Conversions Part 2

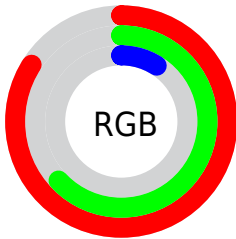
Format	Color
RYB	97, 214, 22
Decimal	14065686
CIELab	69.11, 9.24, 69.59
CIELCh	69, 70.197, 82.439
Yxy	39.4957, 0.4693, 0.4582
Android (android.graphics.Color)	4292255766 (0xFFD6A016)
YUV	160.4140, -68.2381, 46.9949
Hunter-Lab	62.8456, 4.9021, 38.0949

Details

The XYZ color **40.4472, 39.4957, 6.2507** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **15.0531, 10.1948, 64.7923**, and the grayscale version is **33.8871, 35.6519, 38.8249**.

A 20% lighter version of the original color is **66.9263, 70.0090, 18.5800**, and **18.7951, 17.8073, 2.4465** is the 20% darker color. If you saturate the color by 10%, you get **39.2882, 37.4045, 5.1666**, and if you desaturate by 10%, it is **41.8155, 41.7547, 8.1805**.

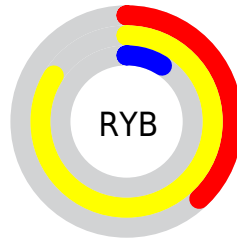
Distribution



Red (84%)

Green (63%)

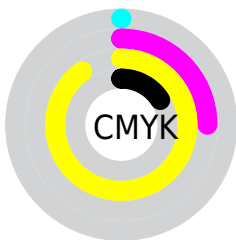
Blue (9%)



Red (38%)

Yellow (84%)

Blue (9%)

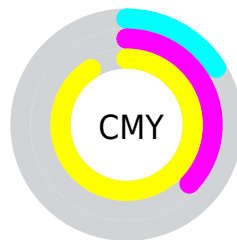


Cyan (0%)

Magenta (25%)

Yellow (90%)

Black (16%)



Cyan (16%)


Magenta (37%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4472, 39.4957, 6.2507 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 40.4472, 39.4957, 6.2507 by changing the saturation by 10% instead.


 40.4472, 39.4957,
6.2507


 40.4472, 39.4957,
6.2507


339.1070,
343.9934, 170.6712

 28.0732, 27.1456,
2.9269


 75.1240, 74.3950,
18.9356

 18.5215, 17.6826,
1.0574


 98.1575, 97.7129,
29.1338

 11.4270, 10.7223,
0.0000


 125.4749,
125.4555, 42.4606

 6.4242, 5.8805,
0.0000

 157.4415,
158.0073, 59.3344

 3.1478, 2.7725,
0.0000

 194.4226,
195.7526, 80.1738

 1.2324, 1.0142,
0.0000

 236.7837,

 0.1317, 0.0000,

239.0758, 105.3974

0.0000

284.8900,
288.3612, 135.4237

■ 0.0000, 0.0000,
0.0000

■ 40.4472, 39.4957,
6.2507

■ 40.4472, 39.4957,
6.2507

■ 39.2882, 37.4045,
5.1666

■ 41.8155, 41.7547,
8.1805

■ 39.2567, 37.3467,
5.1396

■ 43.4406, 44.1967,
11.2132

■ 45.3520, 46.8363,
15.4982

■ 47.5742, 49.6843,
21.1609

■ 50.1289, 52.7503,
28.3115

■ 53.0353, 56.0432,
37.0489

■ 56.3113, 59.5711,
47.4636

■ 59.9732, 63.3416,
59.6390

■ 64.0365, 67.3617,
73.6531

Harmonies

Analogous

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



52.2684, 39.4957, 10.2883



40.4472, 39.4957, 6.2507



29.9003, 39.4957, 7.4652

Triad

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



40.4472, 39.4957, 6.2507



20.9365, 39.4957, 71.1239



57.3440, 39.4957, 92.6657

Complementary

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



40.4472, 39.4957, 6.2507



15.0531, 10.1948, 64.7923

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.



46.3802, 39.4957, 128.9880



40.4472, 39.4957, 6.2507



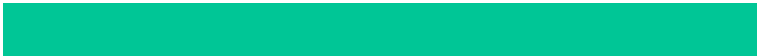
25.8754, 39.4957, 112.8237

Square

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



40.4472, 39.4957, 6.2507



19.9732, 39.4957, 35.3833



34.7746, 39.4957, 137.7826



63.2101, 39.4957, 51.6474

Rectangle

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



40.4472, 39.4957, 6.2507



24.7947, 39.4957, 11.6449



34.7746, 39.4957, 137.7826



54.0396, 39.4957, 106.5234

Sweetspot

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



40.4481, 39.4977, 6.2515



80.0100, 84.5939, 58.6493



29.3371, 15.3976, 8.3375



16.7835, 17.7305, 11.4904



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.



40.4481, 39.4977, 6.2515



58.2327, 55.2453, 7.5942



41.2928, 56.9669, 9.5788



13.1639, 13.9021, 13.1503



23.8204, 22.7579, 3.1373



1.5051, 1.5095, 0.2120

Inverse Universe

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



15.0531, 10.1948, 64.7923



20.3489, 11.8178, 95.8163



14.5134, 6.5060, 64.1087



12.0241, 12.5717, 15.7304



8.3953, 5.0524, 38.9859



0.5763, 0.4446, 2.3748

Previews

White Background



This preview shows how the XYZ color 40.4472, 39.4957, 6.2507 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 40.4472, 39.4957, 6.2507 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 40.4472, 39.4957, 6.2507

Background



This preview shows how black text looks on a background with the XYZ color 40.4472, 39.4957, 6.2507.



This preview shows how white text looks on a background with the XYZ color 40.4472, 39.4957,

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

40.4472, 39.4957, 6.2507

Protanopia

35.5986, 39.3933, 6.6471

Deuteranopia

40.1562, 39.3457, 6.2371



Tritanopia

47.2168, 39.5626, 38.4054

Trichromacy



Original Color

40.4472, 39.4957, 6.2507

Protanomaly

37.3543, 39.4805, 6.5159

Deuteranomaly

40.1562, 39.3457, 6.2371

Tritanomaly

43.4191, 38.9683, 19.9851

Monochromacy



Original Color

40.4472, 39.4957, 6.2507

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

34.2077, 35.9707, 19.8920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4472, 39.4957, 6.2507 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(214, 160, 22)` looks like.

```
.text, #text, p{  
    color:rgb(214, 160, 22)  
}
```

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(214, 160, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 160, 22) }
```

Border

The CSS property to change the border of an element to XYZ 40.4472, 39.4957, 6.2507 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(214, 160, 22) }
```


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

```
.border{ border-color:rgb(214, 160, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 160, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 160, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 160, 22);  
box-shadow:4px 4px 4px 4px rgb(214, 160,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4472, 39.4957, 6.2507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 160, 22) }
```

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

```
.background{ background-color: rgb(214,  
160, 22) }
```

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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