

Converting Colors

XYZ(42.1739, 39.6965, 5.4409)

Have a look what the booklet for
XYZ(42.1739, 39.6965, 5.4409)
contains.

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Color

**XYZ(42.1812, 39.6435,
5.4288)**

Conversions

Conversions Part 1

Format	Color
Hex	DE9D00
RGB	222, 157, 0
RGB Percent	87%, 62%, 0%
CMY	0.1294, 0.3843, 0.9999
CMYK	0.00, 0.29, 1.00, 0.13
HSL	42°, 100%, 44%
HSV	42°, 100%, 87%
XYZ	42.1812, 39.6435, 5.4288
YIQ	158.5370, 89.1370, -35.0470

Conversions

Conversions Part 2

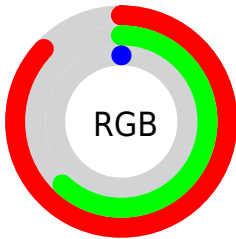
Format	Color
R_{YB}	92, 222, 0
Decimal	14589184
CIE _{Lab}	69.21, 14.08, 73.31
CIE _{LCh}	69, 74.651, 79.129
Yxy	39.6435, 0.4834, 0.4543
Android (android.graphics.Color)	4292779264 (0xFFDE9D00)
YUV	158.5370, -78.1587, 55.6571
Hunter-Lab	62.9631, 9.3981, 38.9621

Details

The XYZ color **42.1812, 39.6435, 5.4288** 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 **15.0757, 9.0556, 70.0601**, and the grayscale version is **33.0618, 34.7835, 37.8793**.

A 20% lighter version of the original color is **65.8388, 68.3703, 16.5642**, and **19.8520, 17.8851, 2.4059** is the 20% darker color. If you saturate the color by 10%, you get **42.1812, 39.6440, 5.4289**, and if you desaturate by 10%, it is **43.4581, 41.9626, 6.5791**.

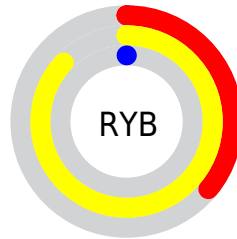
Distribution



Red (87%)

Green (62%)

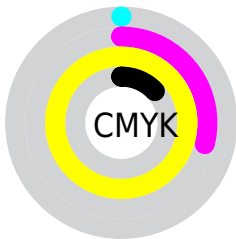
Blue (0%)



Red (36%)

Yellow (87%)

Blue (0%)

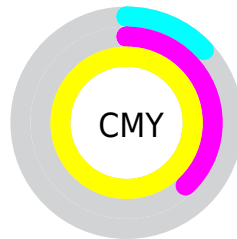


Cyan (0%)

Magenta (29%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (38%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1812, 39.6435, 5.4288 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 42.1812, 39.6435, 5.4288 by changing the saturation by 10% instead.


 42.1812, 39.6435,
5.4288

 42.1812, 39.6435,
5.4288


346.2124,
344.6187, 162.9842

 29.4349, 27.2607,
2.4379


 77.7372, 74.6203,
17.1900


 19.5560, 17.7691,
0.8070


 101.2777, 97.9832,
26.7974

 12.1791, 10.7843,
0.0000


 129.1470,
125.7748, 39.4473

 6.9388, 5.9220,
0.0000

 161.7104,
158.3796, 55.5583

 3.4699, 2.7977,
0.0000

 199.3332,
196.1820, 75.5490

 1.4068, 1.0271,
0.0000

 242.3810,

 0.2611, 0.0000,

239.5664, 99.8378

0.0000

291.2189,
288.9172, 128.8434

0.0000, 0.0000,
0.0000

42.1812, 39.6435,
5.4288

42.1812, 39.6435,
5.4288

42.1812, 39.6440,
5.4289

43.4581, 41.9626,
6.5791

44.9622, 44.4660,
8.6370

46.7502, 47.1794,
11.8924

48.8540, 50.1168,
16.5091

51.3005, 53.2903,
22.6255

■ 54.1135, 56.7109,
30.3624

■ 57.3144, 60.3882,
39.8286

■ 60.9228, 64.3314,
51.1231

■ 64.9567, 68.5489,
64.3377

Harmonies

Analogous

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



54.8013, 39.6435, 10.0792



42.1812, 39.6435, 5.4288



30.6419, 39.6435, 6.0679

Triad

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



42.1812, 39.6435, 5.4288



19.8755, 39.6435, 68.5147



57.8592, 39.6435, 102.1207

Complementary

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



42.1812, 39.6435, 5.4288



15.0757, 9.0556, 70.0601

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.



45.7208, 39.6435, 139.9440



42.1812, 39.6435, 5.4288



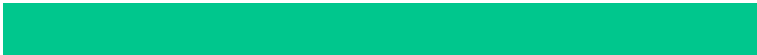
24.5573, 39.6435, 114.4828

Square

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



42.1812, 39.6435, 5.4288



19.3217, 39.6435, 31.9068



33.5109, 39.6435, 145.3843



65.0444, 39.6435, 56.8017

Rectangle

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



42.1812, 39.6435, 5.4288



24.9619, 39.6435, 9.5992



33.5109, 39.6435, 145.3843



54.1170, 39.6435, 116.9653

Sweetspot

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



42.1821, 39.6455, 5.4295



78.3526, 82.5472, 54.1868



31.1256, 15.9304, 6.6835



16.3591, 17.2021, 10.3612



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.



42.1821, 39.6455, 5.4295



57.6300, 54.0400, 7.3933



44.3902, 61.6603, 9.5625



14.5151, 15.3162, 14.4981



25.1554, 23.7488, 3.2581



1.8199, 1.7986, 0.2513

Inverse Universe

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



15.0757, 9.0556, 70.0601



20.5431, 12.2061, 95.8810



14.2414, 5.8189, 69.4793



13.2774, 13.8939, 17.3697



9.0380, 5.5455, 41.6424



0.7024, 0.5362, 2.9117

Previews

White Background



This preview shows how the XYZ color 42.1812, 39.6435, 5.4288 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 42.1812, 39.6435, 5.4288 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 42.1812, 39.6435, 5.4288

Background



This preview shows how black text looks on a background with the XYZ color 42.1812, 39.6435, 5.4288.



This preview shows how white text looks on a background with the XYZ color 42.1812, 39.6435,

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

42.1812, 39.6435, 5.4288

Protanopia

35.9398, 39.8575, 6.2145

Deuteranopia

40.4764, 39.7859, 5.5461



Tritanopia

48.6778, 39.6501, 36.9859

Trichromacy



Original Color

42.1812, 39.6435, 5.4288

Protanomaly

37.8616, 39.4865, 5.8846

Deuteranomaly

41.1861, 39.8933, 5.5294

Tritanomaly

44.5706, 38.9015, 17.2162

Monochromacy



Original Color

42.1812, 39.6435, 5.4288

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

33.8672, 35.3384, 17.3479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1812, 39.6435, 5.4288 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(222, 157, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 157, 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(222, 157, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 157, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.1812, 39.6435, 5.4288 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(222, 157, 0) }
```


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

```
.border{ border-color:rgb(222, 157, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 157, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 157, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 157, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 157,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1812, 39.6435, 5.4288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 157, 0) }
```

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

```
.background{ background-color: rgb(222,  
157, 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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