

Converting Colors

XYZ(42.5729, 43.6485, 8.3499)

Have a look what the booklet for
XYZ(42.5729, 43.6485, 8.3499)
contains.

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Color

**XYZ(42.4214, 43.4391,
8.3392)**

Conversions

Conversions Part 1

Format	Color
Hex	D5AB2A
RGB	213, 171, 42
RGB Percent	84%, 67%, 16%
CMY	0.1647, 0.3294, 0.8353
CMYK	0.00, 0.20, 0.80, 0.16
HSL	45°, 67%, 50%
HSV	45°, 80%, 84%
XYZ	42.4214, 43.4391, 8.3392
YIQ	168.8520, 66.4410, -31.2150

Conversions

Conversions Part 2

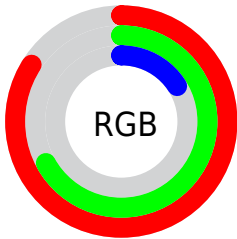
Format	Color
R _Y B	98, 213, 42
Decimal	14002986
CIE Lab	71.85, 3.44, 66.53
CIE LCh	72, 66.623, 87.044
Yxy	43.4391, 0.4503, 0.4611
Android (android.graphics.Color)	4292193066 (0xFFD5AB2A)
YUV	168.8520, -62.5380, 38.7178
Hunter-Lab	65.9083, -0.4495, 38.6340

Details

The XYZ color **42.4214, 43.4391, 8.3392** 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 **16.1354, 11.6368, 64.3461**, and the grayscale version is **37.9165, 39.8911, 43.4414**.

A 20% lighter version of the original color is **70.6885, 76.5536, 22.8550**, and **19.9233, 20.0637, 2.8226** is the 20% darker color. If you saturate the color by 10%, you get **41.1683, 41.3897, 6.5144**, and if you desaturate by 10%, it is **43.9179, 45.6519, 11.2444**.

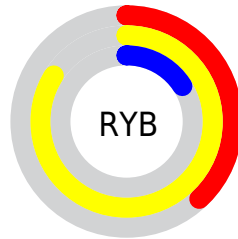
Distribution



Red (84%)

Green (67%)

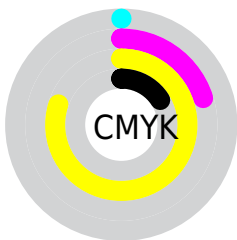
Blue (16%)



Red (38%)

Yellow (84%)

Blue (16%)

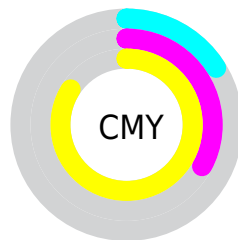


Cyan (0%)

Magenta (20%)

Yellow (80%)

Black (16%)



Cyan (16%)


Magenta (33%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4214, 43.4391, 8.3392 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 42.4214, 43.4391, 8.3392 by changing the saturation by 10% instead.


 42.4214, 43.4391,
8.3392


 42.4214, 43.4391,
8.3392


347.1888,
360.4145, 188.4017

 29.6239, 30.2298,
4.2219


 78.0982, 80.3731,
23.1778

 19.7000, 20.0131,
1.7478


 101.7082,
104.8665, 34.7362

 12.2841, 12.4045,
0.3932


 129.6531,
133.8901, 49.6120

 7.0111, 7.0198,
0.0000

 162.2983,
167.8283, 68.2239

 3.5154, 3.4745,
0.0000

 200.0091,
207.0654, 90.9902

 1.4318, 1.3842,
0.0000

 243.1509,

 0.2787, 0.2050,

251.9859, 118.3296

0.0000

292.0890,
302.9741, 150.6605

■ 0.0000, 0.0000,
0.0000

■ 42.4214, 43.4391,
8.3392

■ 42.4214, 43.4391,
8.3392

■ 41.1683, 41.3897,
6.5144

■ 43.9179, 45.6519,
11.2444

■ 40.1311, 39.5275,
5.5144

■ 45.6835, 48.0339,
15.3759

■ 47.7434, 50.5975,
20.8597

■ 50.1187, 53.3520,
27.8051

■ 52.8284, 56.3056,
36.3106

■ 55.8901, 59.4659,
46.4657

■ 59.3198, 62.8400,
58.3534

■ 63.1325, 66.4347,
72.0509

■ 67.3425, 70.2561,
87.6309

Harmonies

Analogous

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



54.3130, 43.4391, 11.8790



42.4214, 43.4391, 8.3392



32.1505, 43.4391, 10.6436

Triad

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



42.4214, 43.4391, 8.3392



24.7608, 43.4391, 81.7285



62.4056, 43.4391, 90.0201

Complementary

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



42.4214, 43.4391, 8.3392



16.1354, 11.6368, 64.3461

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.



52.0099, 43.4391, 127.5042



42.4214, 43.4391, 8.3392



30.5313, 43.4391, 121.3722

Square

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



42.4214, 43.4391, 8.3392



23.1243, 43.4391, 44.1523



40.1741, 43.4391, 141.0130



67.0986, 43.4391, 50.5893

Rectangle

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



42.4214, 43.4391, 8.3392



27.3038, 43.4391, 16.2423



40.1741, 43.4391, 141.0130



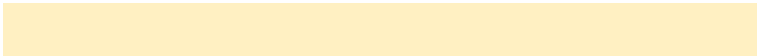
59.3788, 43.4391, 103.8471

Sweetspot

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



42.4224, 43.4412, 8.3400



82.1065, 87.4487, 63.4731



29.8984, 16.4543, 10.1433



17.2229, 18.3536, 12.4253



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.



42.4224, 43.4412, 8.3400



60.7843, 60.2592, 8.7204



40.8439, 56.3294, 10.9109



13.2025, 13.9792, 13.1631



24.5979, 24.3131, 3.3965



1.5467, 1.5925, 0.2259

Inverse Universe

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



16.1354, 11.6368, 64.3461



20.3879, 11.7062, 95.7927



16.5623, 8.3801, 63.6950



11.9879, 12.4992, 15.7183



8.1629, 4.5875, 38.9084



0.5581, 0.4083, 2.3687

Previews

White Background



This preview shows how the XYZ color 42.4214, 43.4391, 8.3392 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 42.4214, 43.4391, 8.3392 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 42.4214, 43.4391, 8.3392

Background



This preview shows how black text looks on a background with the XYZ color 42.4214, 43.4391, 8.3392.



This preview shows how white text looks on a background with the XYZ color 42.4214, 43.4391,

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

42.4214, 43.4391, 8.3392

Protanopia

39.4469, 43.6245, 8.6268

Deuteranopia

44.3975, 43.3489, 8.4100



Tritanopia

49.9687, 43.3044, 44.7547

Trichromacy



Original Color

42.4214, 43.4391, 8.3392

Protanomaly

40.3946, 43.5309, 8.5588

Deuteranomaly

43.6521, 43.2398, 8.3309

Tritanomaly

46.0123, 42.7351, 25.2256

Monochromacy



Original Color

42.4214, 43.4391, 8.3392

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.9575, 40.4938, 24.5544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4214, 43.4391, 8.3392 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(213, 171, 42)` looks like.

```
.text, #text, p{  
    color:rgb(213, 171, 42)  
}
```

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(213, 171, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 171, 42) }
```

Border

The CSS property to change the border of an element to XYZ 42.4214, 43.4391, 8.3392 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(213, 171, 42) }
```


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

```
.border{ border-color:rgb(213, 171, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 171, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 171, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 171, 42);  
box-shadow:4px 4px 4px 4px rgb(213, 171,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4214, 43.4391, 8.3392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 171, 42) }
```

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

```
.background{ background-color: rgb(213,  
171, 42) }
```

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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