

Converting Colors

XYZ(42.8343, 41.4541, 6.8244)

Have a look what the booklet for
XYZ(42.8343, 41.4541, 6.8244)
contains.

XYZ(42.8220, 41.4939, 6.8508)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.8220, 41.4939,
6.8508)**

Conversions

Conversions Part 1

Format	Color
Hex	DCA31C
RGB	220, 163, 28
RGB Percent	86%, 64%, 11%
CMY	0.1373, 0.3608, 0.8902
CMYK	0.00, 0.26, 0.87, 0.14
HSL	42°, 77%, 49%
HSV	42°, 87%, 86%
XYZ	42.8220, 41.4939, 6.8508
YIQ	164.6530, 77.3070, -29.9010

Conversions

Conversions Part 2

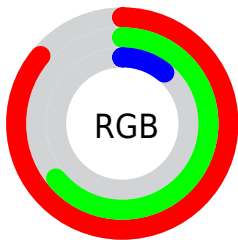
Format	Color
RYB	109, 220, 28
Decimal	14459676
CIELab	70.52, 10.37, 69.63
CIELCh	71, 70.395, 81.526
Yxy	41.4939, 0.4697, 0.4551
Android (android.graphics.Color)	4292649756 (0xFFDCA31C)
YUV	164.6530, -67.3699, 48.5393
Hunter-Lab	64.4158, 5.9348, 38.7854

Details

The XYZ color **42.8220, 41.4939, 6.8508** 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 **16.6458, 11.9113, 69.1314**, and the grayscale version is **35.8857, 37.7546, 41.1147**.

A 20% lighter version of the original color is **68.1146, 72.1241, 19.7825**, and **20.2914, 19.0619, 2.6098** is the 20% darker color. If you saturate the color by 10%, you get **41.5163, 39.1655, 5.5441**, and if you desaturate by 10%, it is **44.3789, 44.0220, 9.1765**.

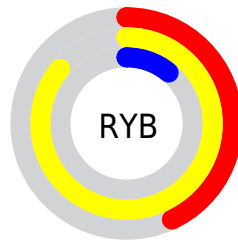
Distribution



Red (86%)

Green (64%)

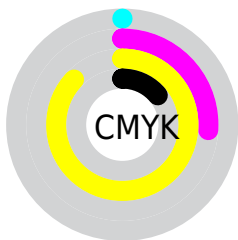
Blue (11%)



Red (43%)

Yellow (86%)

Blue (11%)

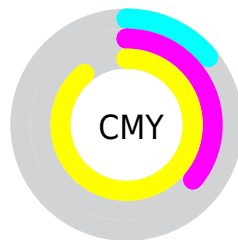


Cyan (0%)

Magenta (26%)

Yellow (87%)

Black (14%)



Cyan (14%)

Magenta (36%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8220, 41.4939, 6.8508 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 42.8220, 41.4939, 6.8508 by changing the saturation by 10% instead.

42.8220, 41.4939,
6.8508

42.8220, 41.4939,
6.8508

348.8132,
352.3806, 176.0018

29.9394, 28.7052,
3.2919

78.6996, 77.4331,
20.1802

19.9404, 18.8579,
1.2456

102.4252,
101.3524, 30.7877

12.4598, 11.5677,
0.0165

130.4960,
129.7506, 44.5820

7.1320, 6.4500,
0.0000

163.2772,
163.0123, 61.9814

3.5919, 3.1206,
0.0000

201.1341,
201.5217, 83.4045

1.4739, 1.1950,
0.0000

244.4322,

0.3080, 0.0576,

245.6633, 109.2700

0.0000

293.5368,
295.8215, 139.9962

■ 0.0000, 0.0000,
0.0000

■ 42.8220, 41.4939,
6.8508

■ 42.8220, 41.4939,
6.8508

■ 41.5163, 39.1655,
5.5441

■ 44.3789, 44.0220,
9.1765

■ 41.1851, 38.5558,
5.2713

■ 46.2235, 46.7607,
12.7216

■ 48.3864, 49.7253,
17.6391

■ 50.8931, 52.9274,
24.0588

■ 53.7662, 56.3772,
32.0956

■ 57.0260, 60.0843,
41.8528

■ 60.6913, 64.0574,
53.4253

■ 64.7795, 68.3047,
66.9010

■ 69.3069, 72.8340,
82.3619

Harmonies

Analogous

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



55.0291, 41.4939, 11.3268



42.8220, 41.4939, 6.8508



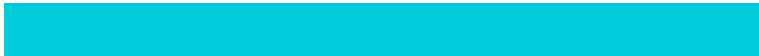
31.7984, 41.4939, 7.9776

Triad

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



42.8220, 41.4939, 6.8508



22.0977, 41.4939, 72.9473



59.6345, 41.4939, 97.8000

Complementary

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



42.8220, 41.4939, 6.8508



16.6458, 11.9113, 69.1314

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.



48.2141, 41.4939, 134.6208



42.8220, 41.4939, 6.8508



27.1118, 41.4939, 116.0328

Square

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



42.8220, 41.4939, 6.8508



21.2166, 41.4939, 36.3951



36.2385, 41.4939, 142.5644



65.9090, 41.4939, 55.2753

Rectangle

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



42.8220, 41.4939, 6.8508



26.4081, 41.4939, 12.2202



36.2385, 41.4939, 142.5644



56.1751, 41.4939, 111.9734

Sweetspot

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



42.8229, 41.4960, 6.8516



80.1924, 84.5205, 60.0610



31.5942, 16.7119, 10.2814



16.8060, 17.6918, 11.7562



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.



42.8229, 41.4960, 6.8516



57.4209, 53.6217, 7.3236



44.9999, 61.1664, 10.5336



13.8189, 14.5771, 13.8109



24.2726, 22.8308, 3.1275



1.6462, 1.6264, 0.2272

Inverse Universe

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



16.6458, 11.9113, 69.1314



20.6136, 12.3472, 95.9045



15.6078, 7.1705, 68.2710



12.6522, 13.2441, 16.5417



8.7862, 5.4419, 40.3257



0.6432, 0.5006, 2.6372

Previews

White Background



This preview shows how the XYZ color 42.8220, 41.4939, 6.8508 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 42.8220, 41.4939, 6.8508 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 42.8220, 41.4939, 6.8508

Background



This preview shows how black text looks on a background with the XYZ color 42.8220, 41.4939, 6.8508.



This preview shows how white text looks on a background with the XYZ color 42.8220, 41.4939,

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

42.8220, 41.4939, 6.8508

Protanopia

37.6966, 41.5882, 7.3368

Deuteranopia

42.3867, 41.5355, 6.8200



Tritanopia

49.8340, 41.5948, 40.0524

Trichromacy



Original Color

42.8220, 41.4939, 6.8508

Protanomaly

39.3242, 41.3070, 7.1287

Deuteranomaly

42.6867, 41.6901, 6.8341

Tritanomaly

45.9771, 40.9994, 21.4100

Monochromacy



Original Color

42.8220, 41.4939, 6.8508

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.3776, 38.1030, 21.6570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8220, 41.4939, 6.8508 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, 163, 28)` looks like.

```
.text, #text, p{  
    color:rgb(220, 163, 28)  
}
```

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, 163, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 163, 28) }
```

Border

The CSS property to change the border of an element to XYZ 42.8220, 41.4939, 6.8508 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, 163, 28) }
```


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

```
.border{ border-color:rgb(220, 163, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 163, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 163, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 163, 28);  
box-shadow:4px 4px 4px 4px rgb(220, 163,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8220, 41.4939, 6.8508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 163, 28) }
```

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

```
.background{ background-color: rgb(220,  
163, 28) }
```

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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