

Converting Colors

XYZ(42.4451, 41.5244, 8.6836)

Have a look what the booklet for
XYZ(42.4451, 41.5244, 8.6836)
contains.

XYZ(42.4451, 41.5244, 8.6836)	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(42.4451, 41.5244,
8.6836)**

Conversions

Conversions Part 1

Format	Color
Hex	D9A431
RGB	217, 164, 49
RGB Percent	85%, 64%, 19%
CMY	0.1490, 0.3568, 0.8078
CMYK	0.00, 0.24, 0.77, 0.15
HSL	41°, 69%, 52%
HSV	41°, 77%, 85%
XYZ	42.4451, 41.5244, 8.6836
YIQ	166.7370, 68.5030, -24.5290

Conversions

Conversions Part 2

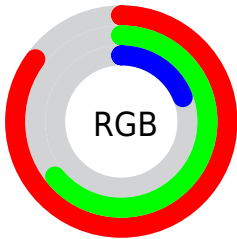
Format	Color
R _Y B	126, 217, 49
Decimal	14263345
CIE Lab	70.54, 9.15, 63.12
CIE LCh	71, 63.782, 81.749
Yxy	41.5244, 0.4581, 0.4482
Android (android.graphics.Color)	4292453425 (0xFFD9A431)
YUV	166.7370, -58.0443, 44.0807
Hunter-Lab	64.4394, 4.8058, 37.1179

Details

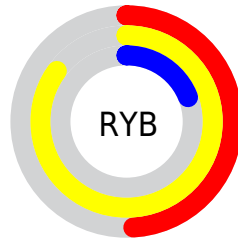
The XYZ color **42.4451, 41.5244, 8.6836** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **18.5422, 15.1649, 67.5950**, and the grayscale version is **36.8538, 38.7731, 42.2239**.

A 20% lighter version of the original color is **69.0702, 72.9225, 23.5318**, and **19.8098, 18.9784, 2.6191** is the 20% darker color. If you saturate the color by 10%, you get **40.9006, 39.0006, 6.4276**, and if you desaturate by 10%, it is **44.2777, 44.2723, 12.1232**.

Distribution



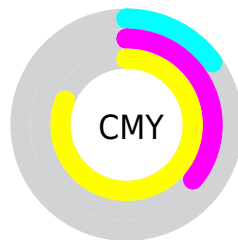
- Red (85%)
- Green (64%)
- Blue (19%)



- Red (49%)
- Yellow (85%)
- Blue (19%)



- Cyan (0%)
- Magenta (24%)
- Yellow (77%)
- Black (15%)



- Cyan (15%)
- Magenta (36%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4451, 41.5244, 8.6836 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 42.4451, 41.5244, 8.6836 by changing the saturation by 10% instead.

42.4451, 41.5244,
8.6836

42.4451, 41.5244,
8.6836

347.2851,
352.5076, 191.1300

29.6426, 28.7291,
4.4414

78.1338, 77.4793,
23.8560

19.7142, 18.8760,
1.8705

101.7507,
101.4077, 35.6233

12.2945, 11.5807,
0.4739

129.7030,
129.8159, 50.7360

7.0182, 6.4588,
0.0000

162.3563,
163.0882, 69.6127

3.5199, 3.1260,
0.0000

200.0758,
201.6092, 92.6719

1.4343, 1.1979,
0.0000

243.2268,

0.2805, 0.0600,

245.7631, 120.3322

0.0000

292.1748,
295.9345, 153.0120

■ 0.0000, 0.0000,
0.0000

■ 42.4451, 41.5244,
8.6836

■ 42.4451, 41.5244,
8.6836

■ 40.9006, 39.0006,
6.4276

■ 44.2777, 44.2723,
12.1232

■ 39.6026, 36.6775,
5.1531

■ 46.4245, 47.2514,
16.8916

■ 39.2911, 36.1038,
4.8979

■ 48.9114, 50.4752,
23.1153

■ 51.7602, 53.9540,
30.9055

■ 54.9910, 57.6973,
40.3624

■ 58.6220, 61.7139,
51.5780

■ 62.6702, 66.0120,
64.6372

■ 67.1516, 70.5995,
79.6196

■ 72.0812, 75.4837,
96.6001

Harmonies

Analogous

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



53.3755, 41.5244, 13.2549



42.4451, 41.5244, 8.6836



32.4313, 41.5244, 9.9114

Triad

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



42.4451, 41.5244, 8.6836



23.4918, 41.5244, 70.2796



57.5967, 41.5244, 91.4479

Complementary

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



42.4451, 41.5244, 8.6836



18.5422, 15.1649, 67.5950

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.



47.4546, 41.5244, 123.2786



42.4451, 41.5244, 8.6836



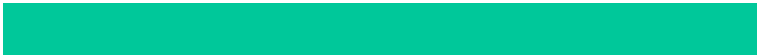
28.2136, 41.5244, 107.7408

Square

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



42.4451, 41.5244, 8.6836



22.6311, 41.5244, 37.3919



36.6329, 41.5244, 130.2912



63.0850, 41.5244, 54.0551

Rectangle

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



42.4451, 41.5244, 8.6836



27.4637, 41.5244, 14.2842



36.6329, 41.5244, 130.2912



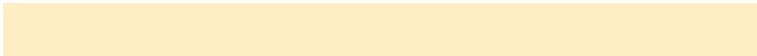
54.5414, 41.5244, 103.7336

Sweetspot

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



42.4460, 41.5265, 8.6844



81.3831, 85.5403, 64.6552



32.1218, 17.9119, 14.3874



17.0230, 17.8656, 12.6306



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.



42.4460, 41.5265, 8.6844



57.7081, 54.0234, 7.9519



45.6655, 60.3113, 12.1406



13.7978, 14.5349, 13.8039



23.8836, 22.0527, 2.9978



1.6233, 1.5806, 0.2195

Inverse Universe

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



18.5422, 15.1649, 67.5950



22.1810, 15.1159, 96.3563



16.9144, 8.9036, 66.4722



12.6722, 13.2842, 16.5483



8.9335, 5.7364, 40.3748



0.6547, 0.5236, 2.6410

Previews

White Background



This preview shows how the XYZ color 42.4451, 41.5244, 8.6836 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 42.4451, 41.5244, 8.6836 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 42.4451, 41.5244, 8.6836

Background



This preview shows how black text looks on a background with the XYZ color 42.4451, 41.5244, 8.6836.



This preview shows how white text looks on a background with the XYZ color 42.4451, 41.5244,

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

42.4451, 41.5244, 8.6836

Protanopia

37.7892, 41.5955, 9.1690

Deuteranopia

42.4451, 41.5244, 8.6836



Tritanopia

48.9232, 41.3464, 40.9994

Trichromacy



Original Color

42.4451, 41.5244, 8.6836

Protanomaly

39.3076, 41.5363, 8.9632

Deuteranomaly

42.4451, 41.5244, 8.6836

Tritanomaly

45.4509, 40.9162, 24.2410

Monochromacy



Original Color

42.4451, 41.5244, 8.6836

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.2819, 39.0420, 24.6397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4451, 41.5244, 8.6836 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(217, 164, 49)` looks like.

```
.text, #text, p{  
    color:rgb(217, 164, 49)  
}
```

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(217, 164, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 164, 49) }
```

Border

The CSS property to change the border of an element to XYZ 42.4451, 41.5244, 8.6836 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(217, 164, 49) }
```


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

```
.border{ border-color:rgb(217, 164, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 164, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 164, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 164, 49);  
box-shadow:4px 4px 4px 4px rgb(217, 164,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4451, 41.5244, 8.6836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 164, 49) }
```

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

```
.background{ background-color: rgb(217,  
164, 49) }
```

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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