

Converting Colors

XYZ(42.5003, 42.4157, 6.2949)

Have a look what the booklet for
XYZ(42.5003, 42.4157, 6.2949)
contains.

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Color

**XYZ(42.5003, 42.4157,
6.2949)**

Conversions

Conversions Part 1

Format	Color
Hex	D9A70C
RGB	217, 167, 12
RGB Percent	85%, 65%, 5%
CMY	0.1490, 0.3451, 0.9529
CMYK	0.00, 0.23, 0.94, 0.15
HSL	45°, 90%, 45%
HSV	45°, 94%, 85%
XYZ	42.5003, 42.4157, 6.2949
YIQ	164.2800, 79.5550, -37.6050

Conversions

Conversions Part 2

Format	Color
RYB	78, 217, 12
Decimal	14264076
CIELab	71.16, 6.67, 72.94
CIELCh	71, 73.240, 84.775
Yxy	42.4157, 0.4660, 0.4650
Android (android.graphics.Color)	4292454156 (0xFFD9A70C)
YUV	164.2800, -75.0740, 46.2354
Hunter-Lab	65.1273, 2.5113, 39.8584

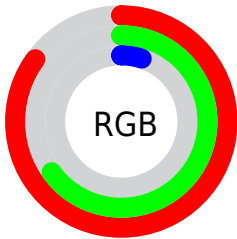
Details

The XYZ color **42.5003, 42.4157, 6.2949** 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 **14.3992, 8.5341, 66.5333**, and the grayscale version is **35.7421, 37.6035, 40.9502**.

A 20% lighter version of the original color is **68.8843, 74.1117, 18.6571**, and **20.1500, 19.6589, 2.7325** is the 20% darker color. If you saturate the color by 10%, you get **41.9040, 41.3296, 5.7688**, and if you desaturate by 10%, it is **43.7090, 44.4842, 7.7745**.

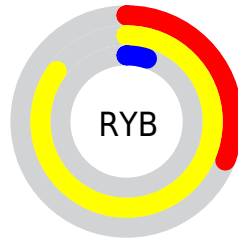
Distribution



Red (85%)

Green (65%)

Blue (5%)



Red (31%)

Yellow (85%)

Blue (5%)

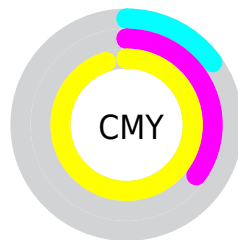


Cyan (0%)

Magenta (23%)

Yellow (94%)

Black (15%)



Cyan (15%)

Magenta (35%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5003, 42.4157, 6.2949 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 42.5003, 42.4157, 6.2949 by changing the saturation by 10% instead.

■ 42.5003, 42.4157,
6.2949

■ 42.5003, 42.4157,
6.2949

347.5091,
356.2033, 171.0714

■ 29.6861, 29.4269,
2.9535

■ 78.2167, 78.8284,
19.0281

■ 19.7473, 19.4040,
1.0710

■ 101.8495,
103.0211, 29.2571

■ 12.3187, 11.9626,
0.0000

■ 129.8193,
131.7172, 42.6189

■ 7.0348, 6.7182,
0.0000

■ 162.4913,
165.3012, 59.5323

■ 3.5304, 3.2865,
0.0000

■ 200.2309,
204.1574, 80.4157

■ 1.4401, 1.2831,
0.0000

■ 243.4036,

■ 0.2845, 0.1280,

248.6702, 105.6876

0.0000

292.3745,
299.2241, 135.7667

■ 0.0000, 0.0000,
0.0000

■ 42.5003, 42.4157,
6.2949

■ 42.5003, 42.4157,
6.2949

■ 41.9040, 41.3296,
5.7688

■ 43.7090, 44.4842,
7.7745

■ 45.1536, 46.7096,
10.3028

■ 46.8680, 49.1078,
14.0510

■ 48.8790, 51.6903,
19.1591

■ 51.2100, 54.4672,
25.7477

■ 53.8818, 57.4475,
33.9244

■ 56.9134, 60.6394,
43.7865

■ 60.3221, 64.0506,
55.4235

■ 64.1241, 67.6882,
68.9187

Harmonies

Analogous

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



55.5013, 42.4157, 10.0684



42.5003, 42.4157, 6.2949



31.2192, 42.4157, 8.0012

Triad

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



42.5003, 42.4157, 6.2949



22.4723, 42.4157, 80.6551



62.8067, 42.4157, 97.1077

Complementary

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



42.5003, 42.4157, 6.2949



14.3992, 8.5341, 66.5333

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.



51.0251, 42.4157, 138.6307



42.5003, 42.4157, 6.2949



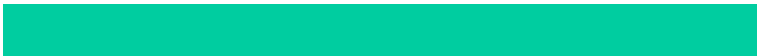
28.1869, 42.4157, 126.2247

Square

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



42.5003, 42.4157, 6.2949



21.0977, 42.4157, 40.3032



38.2056, 42.4157, 151.3508



68.6494, 42.4157, 52.6096

Rectangle

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



42.5003, 42.4157, 6.2949



25.8836, 42.4157, 12.9197



38.2056, 42.4157, 151.3508



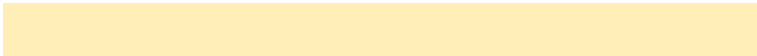
59.3068, 42.4157, 112.6177

Sweetspot

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



42.5012, 42.4178, 6.2957



80.3041, 85.6125, 57.4203



29.6511, 15.3767, 6.1462



16.7860, 17.8986, 10.9884



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.



42.5012, 42.4178, 6.2957



60.2677, 59.3154, 8.2726



40.5532, 57.7321, 9.3543



13.8792, 14.6978, 13.8310



25.4533, 25.1921, 3.5210



1.7146, 1.7633, 0.2500

Inverse Universe

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



14.3992, 8.5341, 66.5333



19.7830, 10.6861, 95.6277



14.7225, 6.3384, 66.0924



12.5953, 13.1304, 16.5227



8.4199, 4.7092, 40.2036



0.6131, 0.4403, 2.6271

Previews

White Background



This preview shows how the XYZ color 42.5003, 42.4157, 6.2949 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 42.5003, 42.4157, 6.2949 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 42.5003, 42.4157, 6.2949

Background



This preview shows how black text looks on a background with the XYZ color 42.5003, 42.4157, 6.2949.



This preview shows how white text looks on a background with the XYZ color 42.5003, 42.4157,

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

42.5003, 42.4157, 6.2949

Protanopia

38.4495, 42.5677, 6.6801

Deuteranopia

43.3602, 42.3169, 6.3346



Tritanopia

49.7477, 42.2403, 42.0904

Trichromacy



Original Color

42.5003, 42.4157, 6.2949

Protanomaly

39.7406, 42.3769, 6.5369

Deuteranomaly

43.2307, 42.5198, 6.3441

Tritanomaly

45.3916, 41.4736, 20.6517

Monochromacy



Original Color

42.5003, 42.4157, 6.2949

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.7439, 38.0817, 19.9346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5003, 42.4157, 6.2949 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, 167, 12)` looks like.

```
.text, #text, p{  
    color:rgb(217, 167, 12)  
}
```

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, 167, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 167, 12) }
```

Border

The CSS property to change the border of an element to XYZ 42.5003, 42.4157, 6.2949 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, 167, 12) }
```


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

```
.border{ border-color:rgb(217, 167, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 167, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 167, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 167, 12);  
box-shadow:4px 4px 4px 4px rgb(217, 167,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5003, 42.4157, 6.2949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 167, 12) }
```

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

```
.background{ background-color: rgb(217,  
167, 12) }
```

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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