

Converting Colors

XYZ(42.0558, 40.4270, 9.5368)

Have a look what the booklet for
XYZ(42.0558, 40.4270, 9.5368)
contains.

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Color

**XYZ(42.1239, 40.5469,
9.6092)**

Conversions

Conversions Part 1

Format	Color
Hex	D9A13A
RGB	217, 161, 58
RGB Percent	85%, 63%, 23%
CMY	0.1490, 0.3686, 0.7725
CMYK	0.00, 0.26, 0.73, 0.15
HSL	39°, 68%, 54%
HSV	39°, 73%, 85%
XYZ	42.1239, 40.5469, 9.6092
YIQ	166.0020, 66.4390, -20.1610

Conversions

Conversions Part 2

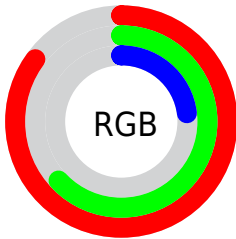
Format	Color
RYB	144, 217, 58
Decimal	14262586
CIELab	69.86, 11.14, 58.99
CIELCh	70, 60.028, 79.307
Yxy	40.5469, 0.4565, 0.4394
Android (android.graphics.Color)	4292452666 (0xFFD9A13A)
YUV	166.0020, -53.2450, 44.7252
Hunter-Lab	63.6764, 6.6494, 35.6263

Details

The XYZ color **42.1239, 40.5469, 9.6092** 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 **20.2865, 17.9435, 68.0396**, and the grayscale version is **36.4743, 38.3738, 41.7891**.

A 20% lighter version of the original color is **68.6651, 71.5194, 25.2245**, and **19.6765, 18.4210, 2.5185** is the 20% darker color. If you saturate the color by 10%, you get **40.3891, 37.7826, 6.8575**, and if you desaturate by 10%, it is **44.1747, 43.5715, 13.6140**.

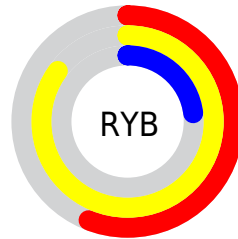
Distribution



Red (85%)

Green (63%)

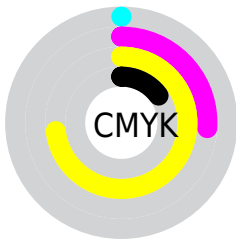
Blue (23%)



Red (56%)

Yellow (85%)

Blue (23%)

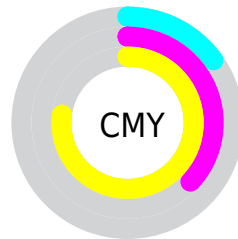


Cyan (0%)

Magenta (26%)

Yellow (73%)

Black (15%)



Cyan (15%)

Magenta (37%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1239, 40.5469, 9.6092 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 42.1239, 40.5469, 9.6092 by changing the saturation by 10% instead.

42.1239, 40.5469,
9.6092

42.1239, 40.5469,
9.6092

345.9792,
348.4233, 198.2421

29.3899, 27.9652,
5.0384

77.6511, 75.9956,
25.6540

19.5217, 18.2994,
2.2107

101.1750, 99.6314,
37.9652

12.1541, 11.1652,
0.6805

129.0261,
127.7207, 53.6935

6.9216, 6.1780,
0.0000

161.5700,
160.6479, 73.2576

3.4590, 2.9536,
0.0000

199.1719,
198.7973, 97.0759

1.4009, 1.1076,
0.0000

242.1971,

0.2569, 0.0000,

242.5534, 125.5671

0.0000

291.0111,
292.3006, 159.1496

■ 0.0000, 0.0000,
0.0000

■ 42.1239, 40.5469,
9.6092

■ 42.1239, 40.5469,
9.6092

■ 40.3891, 37.7826,
6.8575

■ 44.1747, 43.5715,
13.6140

■ 38.9346, 35.2570,
5.1905

■ 46.5662, 46.8637,
19.0071

■ 38.0780, 33.6773,
4.4934

■ 49.3232, 50.4371,
25.9086

■ 52.4671, 54.3025,
34.4248

■ 56.0176, 58.4698,
44.6524

■ 59.9927, 62.9483,
56.6803

■ 64.4094, 67.7468,
70.5914

■ 69.2835, 72.8737,
86.4632

■ 74.6301, 78.3367,
104.3691

Harmonies

Analogous

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



52.1046, 40.5469, 14.6636



42.1239, 40.5469, 9.6092



32.6646, 40.5469, 10.3847

Triad

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



42.1239, 40.5469, 9.6092



23.4110, 40.5469, 64.3940



54.5783, 40.5469, 89.2412

Complementary

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



42.1239, 40.5469, 9.6092



20.2865, 17.9435, 68.0396

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.



45.0777, 40.5469, 116.7097



42.1239, 40.5469, 9.6092



27.5589, 40.5469, 98.6756

Square

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



42.1239, 40.5469, 9.6092



22.8919, 40.5469, 34.9146



35.1628, 40.5469, 120.7475



60.0597, 40.5469, 54.8823

Rectangle

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



42.1239, 40.5469, 9.6092



27.8376, 40.5469, 14.2669



35.1628, 40.5469, 120.7475



51.6811, 40.5469, 100.1093

Sweetspot

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



42.1248, 40.5489, 9.6100



81.3152, 84.9349, 66.0803



33.2984, 19.0461, 18.5366



17.0885, 17.8156, 13.2103



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.



42.1248, 40.5489, 9.6100



57.0021, 52.3968, 8.3781



48.2895, 61.6400, 13.3561



13.7563, 14.4519, 13.7900



23.1532, 20.5920, 2.7543



1.5798, 1.4937, 0.2051

Inverse Universe

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



20.2865, 17.9435, 68.0396



24.1389, 18.5767, 96.9212



17.2789, 9.7072, 66.6083



12.7120, 13.3637, 16.5616



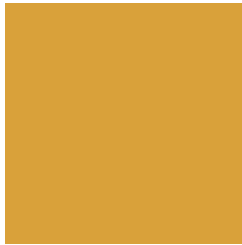
9.2539, 6.3772, 40.4816



0.6789, 0.5719, 2.6491

Previews

White Background



This preview shows how the XYZ color 42.1239, 40.5469, 9.6092 looks on a white background.

Color Contrast Check

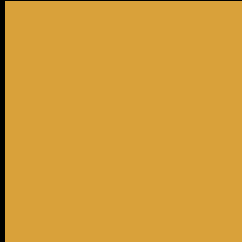
Large Text (above 18pt) WCAG AA × Fail

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 42.1239, 40.5469, 9.6092 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 42.1239, 40.5469, 9.6092

Background



This preview shows how black text looks on a background with the XYZ color 42.1239, 40.5469, 9.6092.



This preview shows how white text looks on a background with the XYZ color 42.1239, 40.5469,

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

42.1239, 40.5469, 9.6092

Protanopia

36.8911, 40.5391, 10.2953

Deuteranopia

41.4156, 40.4423, 9.6263



Tritanopia

48.3287, 40.5891, 39.4697

Trichromacy



Original Color

42.1239, 40.5469, 9.6092

Protanomaly

38.4537, 40.2430, 10.0159

Deuteranomaly

41.7084, 40.5932, 9.6400

Tritanomaly

45.1782, 40.2701, 24.4605

Monochromacy



Original Color

42.1239, 40.5469, 9.6092

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.1138, 38.3975, 25.5340

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1239, 40.5469, 9.6092 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, 161, 58)` looks like.

```
.text, #text, p{  
    color:rgb(217, 161, 58)  
}
```

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, 161, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 161, 58) }
```

Border

The CSS property to change the border of an element to XYZ 42.1239, 40.5469, 9.6092 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, 161, 58) }
```


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

```
.border{ border-color:rgb(217, 161, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 161, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 161, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 161, 58);  
box-shadow:4px 4px 4px 4px rgb(217, 161,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1239, 40.5469, 9.6092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 161, 58) }
```

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

```
.background{ background-color: rgb(217,  
161, 58) }
```

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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