

Converting Colors

XYZ(41.7456, 39.1644, 5.5603)

Have a look what the booklet for
XYZ(41.7456, 39.1644, 5.5603)
contains.

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Color

**XYZ(41.7456, 39.1644,
5.5603)**

Conversions

Conversions Part 1

Format	Color
Hex	DD9C07
RGB	221, 156, 7
RGB Percent	87%, 61%, 3%
CMY	0.1333, 0.3882, 0.9725
CMYK	0.00, 0.29, 0.97, 0.13
HSL	42°, 94%, 45%
HSV	42°, 97%, 87%
XYZ	41.7456, 39.1644, 5.5603
YIQ	158.4490, 86.5690, -32.5590

Conversions

Conversions Part 2

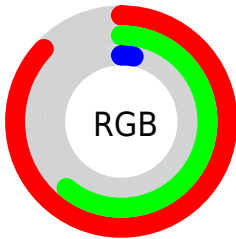
Format	Color
R _{YB}	100, 221, 7
Decimal	14523399
CIE Lab	68.87, 14.25, 72.13
CIE LCh	69, 73.521, 78.826
Yxy	39.1644, 0.4828, 0.4529
Android (android.graphics.Color)	4292713479 (0xFFDD9C07)
YUV	158.4490, -74.6644, 54.8572
Hunter-Lab	62.5815, 9.5527, 38.5392

Details

The XYZ color **41.7456, 39.1644, 5.5603** 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 **15.4567, 9.9015, 69.5026**, and the grayscale version is **33.0068, 34.7258, 37.8163**.

A 20% lighter version of the original color is **65.6617, 67.9032, 16.8536**, and **19.5488, 17.5767, 2.3623** is the 20% darker color. If you saturate the color by 10%, you get **41.3536, 38.4421, 5.2405**, and if you desaturate by 10%, it is **43.0890, 41.5558, 6.9199**.

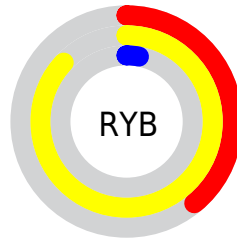
Distribution



Red (87%)

Green (61%)

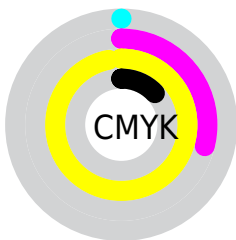
Blue (3%)



Red (39%)

Yellow (87%)

Blue (3%)

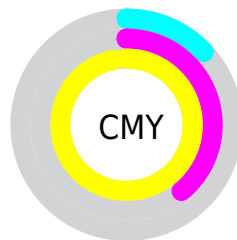


Cyan (0%)

Magenta (29%)

Yellow (97%)

Black (13%)



Cyan (13%)

Magenta (39%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7456, 39.1644, 5.5603 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 41.7456, 39.1644, 5.5603 by changing the saturation by 10% instead.

41.7456, 39.1644,
5.5603

41.7456, 39.1644,
5.5603

344.4369,
342.5889, 164.2476

29.0924, 26.8876,
2.5152

77.0820, 73.8894,
17.4728

19.2953, 17.4889,
0.8482

100.4960, 97.1064,
27.1773

11.9892, 10.5836,
0.0000

128.2275,
124.7390, 39.9387

6.8084, 5.7876,
0.0000

160.6420,
157.1715, 56.1755

3.3879, 2.7164,
0.0000

198.1049,
194.7884, 76.3062

1.3620, 0.9855,
0.0000

240.9814,

0.2289, 0.0000,

237.9740, 100.7495

0.0000

289.6369,
287.1127, 129.9237

0.0000, 0.0000,
0.0000

41.7456, 39.1644,
5.5603

41.7456, 39.1644,
5.5603

41.3536, 38.4421,
5.2405

43.0890, 41.5558,
6.9199

44.6891, 44.1495,
9.3232

46.5851, 46.9641,
12.9679

48.8067, 50.0133,
18.0067

51.3798, 53.3086,
24.5703

■ 54.3270, 56.8606,
32.7741

■ 57.6690, 60.6790,
42.7223

■ 61.4247, 64.7727,
54.5105

■ 65.6117, 69.1500,
68.2272

Harmonies

Analogous

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



54.0416, 39.1644, 10.2523



41.7456, 39.1644, 5.5603



30.4417, 39.1644, 6.1509

Triad

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



41.7456, 39.1644, 5.5603



19.7663, 39.1644, 66.9297



56.8027, 39.1644, 100.5011

Complementary

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



41.7456, 39.1644, 5.5603



15.4567, 9.9015, 69.5026

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.



44.9468, 39.1644, 137.0005



41.7456, 39.1644, 5.5603



24.3176, 39.1644, 111.6297

Square

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



41.7456, 39.1644, 5.5603



19.2623, 39.1644, 31.3605



33.0424, 39.1644, 141.8912



63.8693, 39.1644, 56.3520

Rectangle

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



41.7456, 39.1644, 5.5603



24.8520, 39.1644, 9.6114



33.0424, 39.1644, 141.8912



53.1432, 39.1644, 114.8770

Sweetspot

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



41.7465, 39.1664, 5.5610



78.5943, 82.6155, 55.5470



31.1571, 16.0293, 8.0684



16.3948, 17.1956, 10.6133



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.



41.7465, 39.1664, 5.5610



57.0708, 52.9217, 7.2069



45.1315, 61.6448, 9.7214



13.8111, 14.5615, 13.8083



24.1272, 22.5400, 3.0790



1.6376, 1.6093, 0.2243

Inverse Universe

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



15.4567, 9.9015, 69.5026



20.7355, 12.5911, 95.9452



14.2650, 5.9593, 68.8044



12.6596, 13.2589, 16.5441



8.8396, 5.5485, 40.3435



0.6474, 0.5090, 2.6386

Previews

White Background



This preview shows how the XYZ color 41.7456, 39.1644, 5.5603 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 41.7456, 39.1644, 5.5603 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 41.7456, 39.1644, 5.5603

Background



This preview shows how black text looks on a background with the XYZ color 41.7456, 39.1644, 5.5603.



This preview shows how white text looks on a background with the XYZ color 41.7456, 39.1644,

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

41.7456, 39.1644, 5.5603

Protanopia

35.5094, 39.3576, 6.1772

Deuteranopia

40.0114, 39.2877, 5.4745



Tritanopia

48.1211, 39.1451, 36.4720

Trichromacy



Original Color

41.7456, 39.1644, 5.5603

Protanomaly

37.4292, 38.9950, 5.9019

Deuteranomaly

40.7335, 39.4018, 5.5446

Tritanomaly

44.1971, 38.4618, 17.6648

Monochromacy



Original Color

41.7456, 39.1644, 5.5603

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

33.5612, 34.9170, 17.8027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7456, 39.1644, 5.5603 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(221, 156, 7)` looks like.

```
.text, #text, p{  
    color:rgb(221, 156, 7)  
}
```

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(221, 156, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 156, 7) }
```

Border

The CSS property to change the border of an element to XYZ 41.7456, 39.1644, 5.5603 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(221, 156, 7) }
```


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

```
.border{ border-color:rgb(221, 156, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 156, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 156, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 156, 7);  
box-shadow:4px 4px 4px 4px rgb(221, 156,  
7) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7456, 39.1644, 5.5603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 156, 7) }
```

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

```
.background{ background-color: rgb(221,  
156, 7) }
```

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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