

Converting Colors

XYZ(40.7509, 39.8957, 6.9917)

Have a look what the booklet for
XYZ(40.7509, 39.8957, 6.9917)
contains.

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Color

**XYZ(40.7509, 39.8957,
6.9917)**

Conversions

Conversions Part 1

Format	Color
Hex	D6A121
RGB	214, 161, 33
RGB Percent	84%, 63%, 13%
CMY	0.1608, 0.3686, 0.8706
CMYK	0.00, 0.25, 0.85, 0.16
HSL	42°, 73%, 48%
HSV	42°, 85%, 84%
XYZ	40.7509, 39.8957, 6.9917
YIQ	162.2550, 72.6760, -28.5720

Conversions

Conversions Part 2

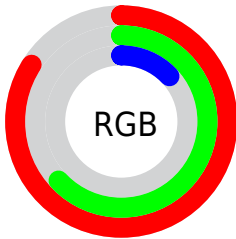
Format	Color
RYB	108, 214, 33
Decimal	14065953
CIELab	69.40, 8.94, 67.14
CIElCh	69, 67.737, 82.414
Yxy	39.8957, 0.4650, 0.4552
Android (android.graphics.Color)	4292256033 (0xFFD6A121)
YUV	162.2550, -63.7227, 45.3804
Hunter-Lab	63.1630, 4.6275, 37.6511

Details

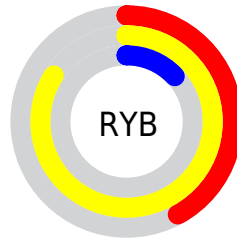
The XYZ color **40.7509, 39.8957, 6.9917** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **16.0926, 11.8339, 65.0537**, and the grayscale version is **34.7293, 36.5379, 39.7898**.

A 20% lighter version of the original color is **67.6842, 71.1271, 20.0591**, and **18.9024, 18.0219, 2.4823** is the 20% darker color. If you saturate the color by 10%, you get **39.4734, 37.6779, 5.5274**, and if you desaturate by 10%, it is **42.2753, 42.3033, 9.4774**.

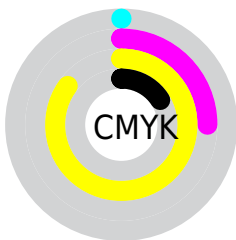
Distribution



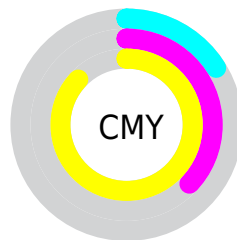
- Red (84%)
- Green (63%)
- Blue (13%)



- Red (42%)
- Yellow (84%)
- Blue (13%)



- Cyan (0%)
- Magenta (25%)
- Yellow (85%)
- Black (16%)





- Cyan (16%)
- Magenta (37%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7509, 39.8957, 6.9917 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 40.7509, 39.8957, 6.9917 by changing the saturation by 10% instead.


 40.7509, 39.8957,
6.9917


 40.7509, 39.8957,
6.9917


340.3588,
345.6838, 177.2230


 28.3113, 27.4572,
3.3785


 75.5827, 75.0047,
20.4691


 18.7021, 17.9169,
1.2910


 98.7056, 98.4439,
31.1704

 11.5580, 10.8904,
0.0544


 126.1204,
126.3190, 45.0715

 6.5135, 5.9932,
0.0000

 158.1923,
159.0141, 62.5910

 3.2034, 2.8409,
0.0000

 195.2867,
196.9138, 84.1473

 1.2622, 1.0493,
0.0000

 237.7691,

 0.1546, 0.0000,

240.4023, 110.1591

0.0000

286.0046,
289.8642, 141.0448

■ 0.0000, 0.0000,
0.0000

■ 40.7509, 39.8957,
6.9917

■ 40.7509, 39.8957,
6.9917

■ 39.4734, 37.6779,
5.5274

■ 42.2753, 42.3033,
9.4774

■ 38.8530, 36.5395,
5.0051

■ 44.0759, 44.9088,
13.1474

■ 46.1801, 47.7260,
18.1377

■ 48.6108, 50.7653,
24.5655

■ 51.3885, 54.0359,
32.5347

■ 54.5317, 57.5466,
42.1395

■ 58.0575, 61.3053,
53.4668

■ 61.9820, 65.3194,
66.5971

■ 66.3200, 69.5961,
81.6058

Harmonies

Analogous

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



52.1757, 39.8957, 11.1448



40.7509, 39.8957, 6.9917



30.4842, 39.8957, 8.2449

Triad

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



40.7509, 39.8957, 6.9917



21.6723, 39.8957, 70.5457



57.0461, 39.8957, 91.2313

Complementary

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



40.7509, 39.8957, 6.9917



16.0926, 11.8339, 65.0537

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.



46.4754, 39.8957, 125.7808



40.7509, 39.8957, 6.9917



26.5302, 39.8957, 110.3775

Square

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



40.7509, 39.8957, 6.9917



20.7234, 39.8957, 35.9960



35.2227, 39.8957, 134.0935



62.6868, 39.8957, 51.8447

Rectangle

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



40.7509, 39.8957, 6.9917



25.4796, 39.8957, 12.5079



35.2227, 39.8957, 134.0935



53.8651, 39.8957, 104.4412

Sweetspot

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



40.7518, 39.8977, 6.9925



80.7634, 85.2164, 61.6263



30.0081, 16.0772, 10.6037



16.9209, 17.8362, 12.0572



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.



40.7518, 39.8977, 6.9925



57.6297, 54.0393, 7.3932



42.6353, 57.6439, 10.3186



13.1515, 13.8772, 13.1461



23.5783, 22.2738, 3.0566



1.4921, 1.4834, 0.2077

Inverse Universe

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



16.0926, 11.8339, 65.0537



20.5432, 12.2064, 95.8811



15.1503, 7.2158, 64.2120



12.0359, 12.5953, 15.7343



8.4780, 5.2178, 39.0134



0.5825, 0.4570, 2.3768

Previews

White Background



This preview shows how the XYZ color 40.7509, 39.8957, 6.9917 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 40.7509, 39.8957, 6.9917 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 40.7509, 39.8957, 6.9917

Background



This preview shows how black text looks on a background with the XYZ color 40.7509, 39.8957, 6.9917.



This preview shows how white text looks on a background with the XYZ color 40.7509, 39.8957,

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

40.7509, 39.8957, 6.9917

Protanopia

36.1640, 39.9472, 7.3946

Deuteranopia

40.7509, 39.8957, 6.9917



Tritanopia

47.4636, 39.9155, 38.9211

Trichromacy



Original Color

40.7509, 39.8957, 6.9917

Protanomaly

37.6606, 39.8950, 7.2290

Deuteranomaly

40.7509, 39.8957, 6.9917

Tritanomaly

43.8063, 39.3862, 21.2130

Monochromacy



Original Color

40.7509, 39.8957, 6.9917

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

35.0709, 36.9022, 21.4941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7509, 39.8957, 6.9917 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(214, 161, 33)` looks like.

```
.text, #text, p{  
    color:rgb(214, 161, 33)  
}
```

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(214, 161, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 161, 33) }
```

Border

The CSS property to change the border of an element to XYZ 40.7509, 39.8957, 6.9917 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(214, 161, 33) }
```


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

```
.border{ border-color:rgb(214, 161, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 161, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 161, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 161, 33);  
box-shadow:4px 4px 4px 4px rgb(214, 161,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7509, 39.8957, 6.9917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 161, 33) }
```

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

```
.background{ background-color: rgb(214,  
161, 33) }
```

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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