

Converting Colors

XYZ(42.2393, 40.2245, 6.9768)

Have a look what the booklet for
XYZ(42.2393, 40.2245, 6.9768)
contains.

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Color

**XYZ(42.1879, 40.1217,
6.9596)**

Conversions

Conversions Part 1

Format	Color
Hex	DC9F21
RGB	220, 159, 33
RGB Percent	86%, 62%, 13%
CMY	0.1373, 0.3764, 0.8706
CMYK	0.00, 0.28, 0.85, 0.14
HSL	40°, 74%, 50%
HSV	40°, 85%, 86%
XYZ	42.1879, 40.1217, 6.9596
YIQ	162.8750, 76.8020, -26.2540

Conversions

Conversions Part 2

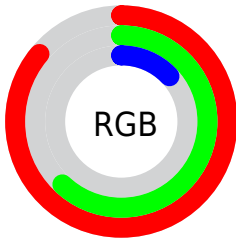
Format	Color
RYB	124, 220, 33
Decimal	14458657
CIELab	69.56, 12.63, 67.54
CIELCh	70, 68.715, 79.410
Yxy	40.1217, 0.4726, 0.4494
Android (android.graphics.Color)	4292648737 (0xFFDC9F21)
YUV	162.8750, -64.0284, 50.0986
Hunter-Lab	63.3417, 8.0396, 37.8248

Details

The XYZ color **42.1879, 40.1217, 6.9596** 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 **17.5483, 13.4961, 69.3899**, and the grayscale version is **35.0222, 36.8461, 40.1254**.

A 20% lighter version of the original color is **66.9226, 69.6038, 19.8052**, and **19.8598, 18.1987, 2.4660** is the 20% darker color. If you saturate the color by 10%, you get **40.7761, 37.6411, 5.4331**, and if you desaturate by 10%, it is **43.8741, 42.8301, 9.5698**.

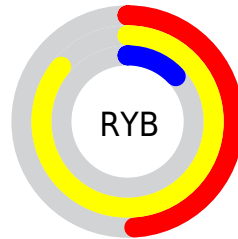
Distribution



Red (86%)

Green (62%)

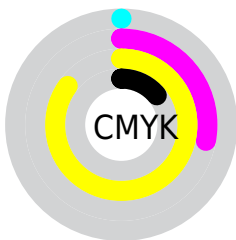
Blue (13%)



Red (49%)

Yellow (86%)

Blue (13%)

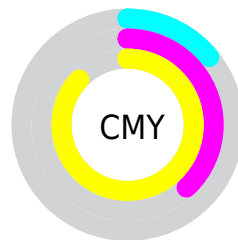


Cyan (0%)

Magenta (28%)

Yellow (85%)

Black (14%)



Cyan (14%)


Magenta (38%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1879, 40.1217, 6.9596 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 42.1879, 40.1217, 6.9596 by changing the saturation by 10% instead.


 42.1879, 40.1217,
6.9596


 42.1879, 40.1217,
6.9596


346.2397,
346.6363, 176.9458


 29.4402, 27.6334,
3.3588


 77.7473, 75.3488,
20.4034


 19.5600, 18.0495,
1.2806


 101.2897, 98.8564,
31.0834

 12.1820, 10.9856,
0.0458


 129.1611,
126.8060, 44.9603

 6.9409, 6.0571,
0.0000

 161.7268,
159.5818, 62.4525

 3.4711, 2.8798,
0.0000

 199.3521,
197.5684, 83.9786

 1.4075, 1.0693,
0.0000

 242.4025,

 0.2616, 0.0000,

241.1501, 109.9572

0.0000

291.2432,
290.7112, 140.8067

■ 0.0000, 0.0000,
0.0000

■ 42.1879, 40.1217,
6.9596

■ 42.1879, 40.1217,
6.9596

■ 40.7761, 37.6411,
5.4331

■ 43.8741, 42.8301,
9.5698

■ 40.1426, 36.4707,
4.9238

■ 45.8671, 45.7760,
13.4405

■ 48.1967, 48.9750,
18.7188

■ 50.8879, 52.4387,
25.5307

■ 53.9629, 56.1779,
33.9883

■ 57.4421, 60.2024,
44.1928

■ 61.3441, 64.5213,
56.2377

■ 65.6864, 69.1432,
70.2093

■ 70.4851, 74.0763,
86.1888

Harmonies

Analogous

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



53.7538, 40.1217, 11.7910



42.1879, 40.1217, 6.9596



31.4799, 40.1217, 7.6984

Triad

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



42.1879, 40.1217, 6.9596



21.3553, 40.1217, 67.2770



56.7209, 40.1217, 96.6638

Complementary

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



42.1879, 40.1217, 6.9596



17.5483, 13.4961, 69.3899

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.



45.6663, 40.1217, 130.2701



42.1879, 40.1217, 6.9596



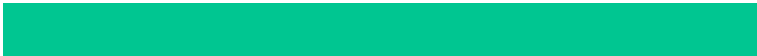
25.8782, 40.1217, 108.3801

Square

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



42.1879, 40.1217, 6.9596



20.7841, 40.1217, 33.3988



34.3494, 40.1217, 135.3693



63.1607, 40.1217, 55.8938

Rectangle

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



42.1879, 40.1217, 6.9596



26.1389, 40.1217, 11.4566



34.3494, 40.1217, 135.3693



53.3320, 40.1217, 109.8685

Sweetspot

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



42.1888, 40.1237, 6.9604



80.1530, 83.9956, 61.4228



32.1400, 17.1360, 12.5207



16.7742, 17.5428, 12.0083



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.



42.1888, 40.1237, 6.9604



55.9590, 50.6981, 6.8363



46.8128, 62.0936, 10.9573



13.7856, 14.5106, 13.7998



23.6649, 21.6153, 2.9249



1.6103, 1.5548, 0.2152

Inverse Universe

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



17.5483, 13.4961, 69.3899



21.1567, 13.4335, 96.0856



15.5878, 7.3511, 68.3071



12.6838, 13.3074, 16.5522



9.0231, 5.9155, 40.4046



0.6616, 0.5373, 2.6433

Previews

White Background



This preview shows how the XYZ color 42.1879, 40.1217, 6.9596 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 42.1879, 40.1217, 6.9596 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 42.1879, 40.1217, 6.9596

Background



This preview shows how black text looks on a background with the XYZ color 42.1879, 40.1217, 6.9596.



This preview shows how white text looks on a background with the XYZ color 42.1879, 40.1217,

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

42.1879, 40.1217, 6.9596

Protanopia

36.6196, 40.4597, 7.5485

Deuteranopia

41.0165, 40.0357, 6.8622



Tritanopia

48.5265, 40.0139, 37.9667

Trichromacy



Original Color

42.1879, 40.1217, 6.9596

Protanomaly

38.4792, 40.3153, 7.3437

Deuteranomaly

41.4468, 39.9976, 6.9023

Tritanomaly

44.9493, 39.4960, 20.8772

Monochromacy



Original Color

42.1879, 40.1217, 6.9596

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

35.8399, 37.2920, 21.8321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1879, 40.1217, 6.9596 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(220, 159, 33)` looks like.

```
.text, #text, p{  
    color:rgb(220, 159, 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(220, 159, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 159, 33) }
```

Border

The CSS property to change the border of an element to XYZ 42.1879, 40.1217, 6.9596 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(220, 159, 33) }
```


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

```
.border{ border-color:rgb(220, 159, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 159, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 159, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 159, 33);  
box-shadow:4px 4px 4px 4px rgb(220, 159,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1879, 40.1217, 6.9596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 159, 33) }
```

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

```
.background{ background-color: rgb(220,  
159, 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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