

Converting Colors

XYZ(42.3338, 40.1218, 15.1046)

Have a look what the booklet for
XYZ(42.3338, 40.1218, 15.1046)
contains.

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Color

**XYZ(42.2679, 39.9815,
15.1623)**

Conversions

Conversions Part 1

Format	Color
Hex	D79F5A
RGB	215, 159, 90
RGB Percent	84%, 62%, 35%
CMY	0.1569, 0.3764, 0.6471
CMYK	0.00, 0.26, 0.58, 0.16
HSL	33°, 61%, 60%
HSV	33°, 58%, 84%
XYZ	42.2679, 39.9815, 15.1623
YIQ	167.8780, 55.5250, -9.5870

Conversions

Conversions Part 2

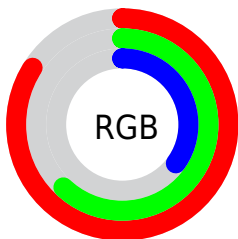
Format	Color
RYB	191, 215, 90
Decimal	14131034
CIELab	69.46, 13.30, 43.67
CIELCh	69, 45.654, 73.063
Yxy	39.9815, 0.4339, 0.4104
Android (android.graphics.Color)	4292321114 (0xFFD79F5A)
YUV	167.8780, -38.3939, 41.3260
Hunter-Lab	63.2309, 8.6676, 30.0444

Details

The XYZ color **42.2679, 39.9815, 15.1623** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **26.7605, 27.6365, 68.2136**, and the grayscale version is **37.3238, 39.2675, 42.7623**.

A 20% lighter version of the original color is **70.1691, 71.3061, 35.6563**, and **19.6674, 18.0533, 4.5459** is the 20% darker color. If you saturate the color by 10%, you get **39.8898, 36.4841, 10.4892**, and if you desaturate by 10%, it is **45.0416, 43.8468, 21.2736**.

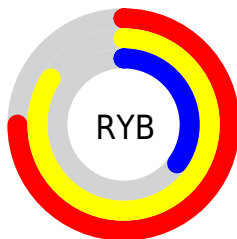
Distribution



Red (84%)

Green (62%)

Blue (35%)



Red (75%)

Yellow (84%)

Blue (35%)

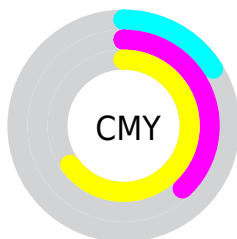


Cyan (0%)

Magenta (26%)

Yellow (58%)

Black (16%)



Cyan (16%)


Magenta (38%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2679, 39.9815, 15.1623 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 42.2679, 39.9815, 15.1623 by changing the saturation by 10% instead.


 42.2679, 39.9815,
15.1623


 42.2679, 39.9815,
15.1623


346.5650,
346.0456, 236.0210


 29.5031, 27.5241,
8.7855


 77.8675, 75.1353,
35.8840


 19.6080, 17.9672,
4.5066


 101.4331, 98.6006,
51.0659

 12.2170, 10.9265,
1.9072


 129.3297,
126.5039, 70.0200

 6.9649, 6.0174,
0.4973

 161.9227,
159.2297, 93.1647

 3.4863, 2.8557,
0.0000

199.5773,
197.1624, 120.9186

 1.4158, 1.0569,
0.0000

242.6590,

 0.2675, 0.0000,

240.6863, 153.7003

0.0000

291.5332,
290.1859, 191.9282

■ 0.0000, 0.0000,
0.0000

■ 42.2679, 39.9815,
15.1623

■ 42.2679, 39.9815,
15.1623

■ 39.8898, 36.4841,
10.4892

■ 45.0416, 43.8468,
21.2736

■ 37.8780, 33.3336,
7.1272

■ 48.2317, 48.0880,
28.9308

■ 36.2027, 30.5146,
4.9302

■ 51.8605, 52.7202,
38.2341

■ 34.8206, 28.0048,
3.6851

■ 55.9477, 57.7553,
49.2744

■ 34.5840, 27.5666,
3.4981

■ 60.5117, 63.2051,
62.1357

■ 65.5699, 69.0803,
76.8969

■ 71.1386, 75.3914,
93.6319

■ 76.0853, 81.6893,
106.3652

■ 78.9344, 87.3874,
107.3149

Harmonies

Analogous

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



49.2876, 39.9815, 21.3357



42.2679, 39.9815, 15.1623



34.8961, 39.9815, 14.8145

Triad

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



42.2679, 39.9815, 15.1623



25.8319, 39.9815, 53.3352



48.4887, 39.9815, 80.2963

Complementary

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



42.2679, 39.9815, 15.1623



26.7605, 27.6365, 68.2136

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.



41.2853, 39.9815, 96.0483



42.2679, 39.9815, 15.1623



28.5845, 39.9815, 77.4224

Square

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



42.2679, 39.9815, 15.1623



26.0235, 39.9815, 32.7765



34.0318, 39.9815, 94.8535



53.1843, 39.9815, 56.4179

Rectangle

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



42.2679, 39.9815, 15.1623



30.8020, 39.9815, 17.6635



34.0318, 39.9815, 94.8535



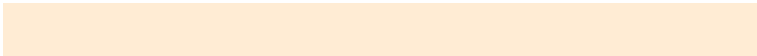
46.2430, 39.9815, 87.0164

Sweetspot

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



42.2688, 39.9835, 15.1631



82.9545, 85.7457, 74.2345



36.8884, 23.8428, 29.9544



17.4796, 18.0184, 15.1270



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.



42.2688, 39.9835, 15.1631



57.8996, 52.4640, 14.0039



52.3696, 62.8576, 19.0459



12.9859, 13.5460, 13.0909



20.7928, 16.7029, 2.1281



1.3362, 1.1716, 0.1557

Inverse Universe

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



26.7605, 27.6365, 68.2136



33.0363, 32.7089, 99.1800



20.7724, 14.7194, 66.0359



12.1960, 12.9155, 15.7877



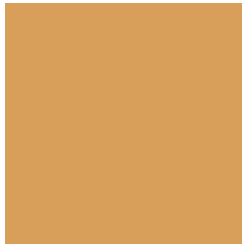
9.9578, 8.1773, 39.5067



0.6825, 0.6571, 2.4102

Previews

White Background



This preview shows how the XYZ color 42.2679, 39.9815, 15.1623 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 42.2679, 39.9815, 15.1623 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 42.2679, 39.9815, 15.1623

Background



This preview shows how black text looks on a background with the XYZ color 42.2679, 39.9815, 15.1623.



This preview shows how white text looks on a background with the XYZ color 42.2679, 39.9815,

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

42.2679, 39.9815, 15.1623

Protanopia

36.8886, 40.1224, 16.3898

Deuteranopia

40.7359, 39.9718, 15.0195



Tritanopia

47.4070, 40.1140, 39.4266

Trichromacy



Original Color

42.2679, 39.9815, 15.1623

Protanomaly

38.6380, 39.9331, 16.0273

Deuteranomaly

41.4120, 40.0599, 15.0009

Tritanomaly

45.2130, 39.9488, 28.6205

Monochromacy



Original Color

42.2679, 39.9815, 15.1623

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

38.1963, 39.1180, 30.3483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2679, 39.9815, 15.1623 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(215, 159, 90)` looks like.

```
.text, #text, p{  
    color:rgb(215, 159, 90)  
}
```

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(215, 159, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 159, 90) }
```

Border

The CSS property to change the border of an element to XYZ 42.2679, 39.9815, 15.1623 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(215, 159, 90) }
```


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

```
.border{ border-color:rgb(215, 159, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 159, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 159, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 159, 90);  
box-shadow:4px 4px 4px 4px rgb(215, 159,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2679, 39.9815, 15.1623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 159, 90) }
```

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

```
.background{ background-color: rgb(215,  
159, 90) }
```

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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