

Converting Colors

XYZ(42.6158, 39.9376, 17.0528)

Have a look what the booklet for
XYZ(42.6158, 39.9376, 17.0528)
contains.

XYZ(42.4558, 39.7826, 16.9964)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.4558, 39.7826,
16.9964)**

Conversions

Conversions Part 1

Format	Color
Hex	D79E62
RGB	215, 158, 98
RGB Percent	84%, 62%, 38%
CMY	0.1569, 0.3804, 0.6157
CMYK	0.00, 0.27, 0.54, 0.16
HSL	31°, 59%, 61%
HSV	31°, 54%, 84%
XYZ	42.4558, 39.7826, 16.9964
YIQ	168.2030, 53.2320, -6.5760

Conversions

Conversions Part 2

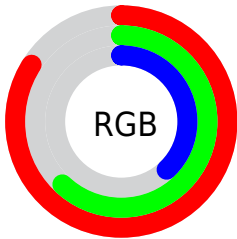
Format	Color
RYB	209, 215, 98
Decimal	14130786
CIELab	69.31, 14.48, 39.41
CIELCh	69, 41.982, 69.829
Yxy	39.7826, 0.4278, 0.4009
Android (android.graphics.Color)	4292320866 (0xFFD79E62)
YUV	168.2030, -34.6101, 41.0410
Hunter-Lab	63.0734, 9.7728, 28.1745

Details

The XYZ color **42.4558, 39.7826, 16.9964** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **29.0235, 30.9444, 68.7329**, and the grayscale version is **37.4665, 39.4177, 42.9258**.

A 20% lighter version of the original color is **70.5393, 71.0505, 38.8505**, and **19.7167, 17.9052, 5.3226** is the 20% darker color. If you saturate the color by 10%, you get **39.8629, 36.0092, 11.7788**, and if you desaturate by 10%, it is **45.4755, 43.9735, 23.7021**.

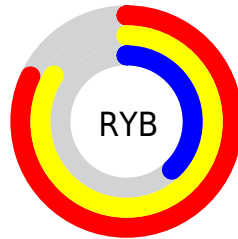
Distribution



Red (84%)

Green (62%)

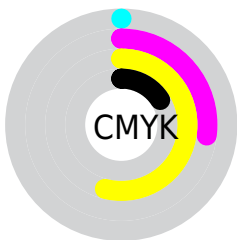
Blue (38%)



Red (82%)

Yellow (84%)

Blue (38%)

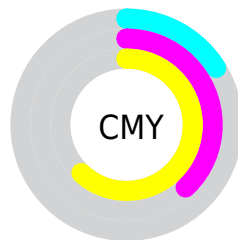


Cyan (0%)

Magenta (27%)

Yellow (54%)

Black (16%)



Cyan (16%)


Magenta (38%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4558, 39.7826, 16.9964 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 42.4558, 39.7826, 16.9964 by changing the saturation by 10% instead.


 42.4558, 39.7826,
16.9964


 42.4558, 39.7826,
16.9964


347.3285,
345.2064, 247.1949


 29.6510, 27.3691,
10.0700


 78.1498, 74.8324,
39.1102

 19.7206, 17.8506,
5.3392


 101.7698, 98.2374,
55.1346

 12.2992, 10.8428,
2.3854

 129.7256,
126.0750, 75.0288

 7.0214, 5.9612,
0.7785

 162.3825,
158.7297, 99.2112

 3.5220, 2.8215,
0.0000

200.1059,
196.5858, 128.1005

 1.4354, 1.0393,
0.0000

243.2611,

 0.2812, 0.0000,

240.0276, 162.1152

0.0000

292.2135,
289.4397, 201.6738

■ 0.0000, 0.0000,
0.0000

■ 42.4558, 39.7826,
16.9964

■ 42.4558, 39.7826,
16.9964

■ 39.8629, 36.0092,
11.7788

■ 45.4755, 43.9735,
23.7021

■ 37.6679, 32.6309,
7.9277

■ 48.9427, 48.5913,
31.9995

■ 35.8418, 29.6315,
5.3064

■ 52.8799, 53.6523,
41.9855

■ 34.3489, 26.9902,
3.7471

■ 57.3071, 59.1698,
53.7488

■ 33.6288, 25.6562,
3.1797

■ 62.2431, 65.1566,
67.3715

■ 67.7055, 71.6249,
82.9307

■ 73.7109, 78.5865,
100.4992

■ 77.7648, 85.0482,
106.9250

■ 80.9684, 91.4554,
107.9929

Harmonies

Analogous

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



48.6549, 39.7826, 23.6391



42.4558, 39.7826, 16.9964



35.6442, 39.7826, 16.0858

Triad

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



42.4558, 39.7826, 16.9964



26.4335, 39.7826, 49.9614



46.7282, 39.7826, 78.4980

Complementary

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



42.4558, 39.7826, 16.9964



29.0235, 30.9444, 68.7329

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.



40.0663, 39.7826, 91.1011



42.4558, 39.7826, 16.9964



28.7133, 39.7826, 71.6790

Square

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



42.4558, 39.7826, 16.9964



26.9123, 39.7826, 31.7449



33.5201, 39.7826, 88.2902



51.3174, 39.7826, 57.4054

Rectangle

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



42.4558, 39.7826, 16.9964



31.7294, 39.7826, 18.4505



33.5201, 39.7826, 88.2902



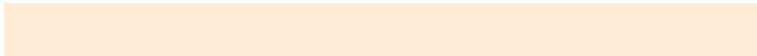
44.6266, 39.7826, 84.1153

Sweetspot

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



42.4568, 39.7845, 16.9972



83.1472, 85.6134, 75.8950



38.4353, 25.6000, 34.5908



17.4998, 17.9568, 15.4481



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.



42.4568, 39.7845, 16.9972



58.2394, 52.3570, 16.5427



54.5293, 63.9296, 21.0214



12.9446, 13.4634, 13.0772



20.2207, 15.5587, 1.9374



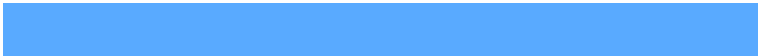
1.3024, 1.1039, 0.1444

Inverse Universe

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



29.0235, 30.9444, 68.7329



36.5673, 38.1031, 100.0351



21.6707, 16.2387, 66.2820



12.2370, 12.9974, 15.8013



10.4471, 9.1559, 39.6698



0.7128, 0.7177, 2.4203

Previews

White Background



This preview shows how the XYZ color 42.4558, 39.7826, 16.9964 looks on a white background.

Color Contrast Check

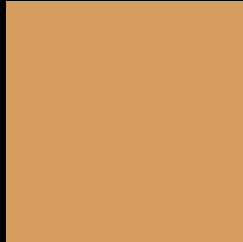
Large Text (above 18pt) WCAG AA × Fail

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 42.4558, 39.7826, 16.9964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

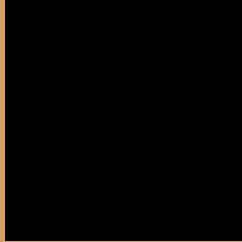
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.4558, 39.7826, 16.9964

Background



This preview shows how black text looks on a background with the XYZ color 42.4558, 39.7826, 16.9964.



This preview shows how white text looks on a background with the XYZ color 42.4558, 39.7826, 16.9964.

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

42.4558, 39.7826, 16.9964

Protanopia

36.7806, 40.0230, 18.3570

Deuteranopia

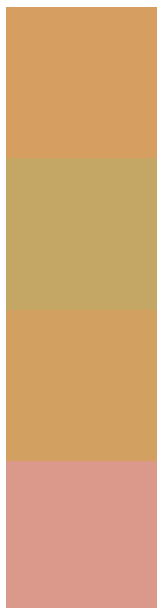
40.8101, 39.9691, 16.8731



Tritanopia

46.9431, 39.6370, 39.3589

Trichromacy



Original Color

42.4558, 39.7826, 16.9964

Protanomaly

38.7501, 39.9478, 17.9803

Deuteranomaly

41.4809, 40.0544, 16.8543

Tritanomaly

44.9649, 39.5520, 29.6905

Monochromacy



Original Color

42.4558, 39.7826, 16.9964

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

38.2410, 38.8484, 31.4696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4558, 39.7826, 16.9964 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, 158, 98)` looks like.

```
.text, #text, p{  
    color:rgb(215, 158, 98)  
}
```

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, 158, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 158, 98) }
```

Border

The CSS property to change the border of an element to XYZ 42.4558, 39.7826, 16.9964 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, 158, 98) }
```


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

```
.border{ border-color:rgb(215, 158, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 158, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 158, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 158, 98);  
box-shadow:4px 4px 4px 4px rgb(215, 158,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4558, 39.7826, 16.9964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 158, 98) }
```

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

```
.background{ background-color: rgb(215,  
158, 98) }
```

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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