

Converting Colors

XYZ(42.6308, 40.0641, 20.0548)

Have a look what the booklet for
XYZ(42.6308, 40.0641, 20.0548)
contains.

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Color

**XYZ(42.5990, 40.0465,
19.9525)**

Conversions

Conversions Part 1

Format	Color
Hex	D59F6D
RGB	213, 159, 109
RGB Percent	84%, 62%, 43%
CMY	0.1647, 0.3764, 0.5725
CMYK	0.00, 0.25, 0.49, 0.16
HSL	29°, 55%, 63%
HSV	29°, 49%, 84%
XYZ	42.5990, 40.0465, 19.9525
YIQ	169.4460, 48.2340, -4.1020

Conversions

Conversions Part 2

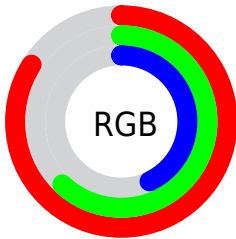
Format	Color
R _Y B	213, 205, 109
Decimal	13999981
CIE Lab	69.50, 14.09, 33.82
CIE LCh	70, 36.638, 67.376
Yxy	40.0465, 0.4152, 0.3903
Android (android.graphics.Color)	4292190061 (0xFFD59F6D)
YUV	169.4460, -29.7999, 38.1969
Hunter-Lab	63.2823, 9.4147, 25.6039

Details

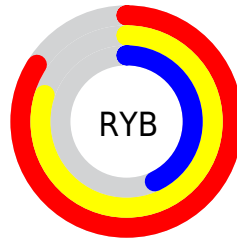
The XYZ color **42.5990, 40.0465, 19.9525** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **31.4135, 34.2482, 67.9055**, and the grayscale version is **38.0603, 40.0424, 43.6062**.

A 20% lighter version of the original color is **71.7196, 71.9263, 43.8214**, and **19.8885, 18.1193, 6.7241** is the 20% darker color. If you saturate the color by 10%, you get **39.7712, 36.0089, 14.0221**, and if you desaturate by 10%, it is **45.8768, 44.5394, 27.4044**.

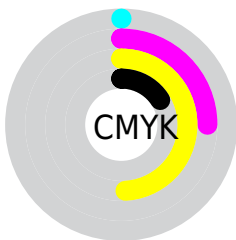
Distribution



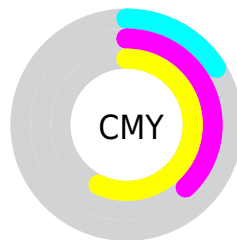
- Red (84%)
- Green (62%)
- Blue (43%)



- Red (84%)
- Yellow (80%)
- Blue (43%)



- Cyan (0%)
- Magenta (25%)
- Yellow (49%)
- Black (16%)





- Cyan (16%)
- Magenta (38%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5990, 40.0465, 19.9525 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 42.5990, 40.0465, 19.9525 by changing the saturation by 10% instead.


 42.5990, 40.0465,
19.9525


 42.5990, 40.0465,
19.9525


347.9096,
346.3195, 264.2536

 29.7638, 27.5748,
12.1768


 78.3649, 75.2343,
44.1955


 19.8065, 18.0054,
6.7402


 102.0262, 98.7192,
61.4998

 12.3619, 10.9539,
3.2242


 130.0270,
126.6440, 82.8174

 7.0646, 6.0358,
1.2102

 162.7326,
159.3930, 108.5668

 3.5492, 2.8669,
0.0000

200.5082,
197.3507, 139.1666

 1.4504, 1.0626,
0.0000

243.7194,

 0.2917, 0.0000,

240.9014, 175.0353

0.0000

292.7314,
290.4295, 216.5915

■ 0.0000, 0.0000,
0.0000

■ 42.5990, 40.0465,
19.9525

■ 42.5990, 40.0465,
19.9525

■ 39.7712, 36.0089,
14.0221

■ 45.8768, 44.5394,
27.4044

■ 37.3655, 32.4038,
9.5017

■ 49.6242, 49.4977,
36.4735

■ 35.3552, 29.2145,
6.2684


■ 53.8633, 54.9384,
47.2504


■ 33.7080, 26.4206,
4.1764


■ 58.6134, 60.8755,
59.8185


■ 32.3756, 23.9944,
2.9968


■ 63.8930, 67.3226,
74.2553

 32.2326, 23.7304,
2.8816

 69.7194, 74.2926,
90.6340

 75.6058, 81.5967,
106.3726

 78.8965, 88.1781,
107.4695

 81.2505, 92.8861,
108.2542

Harmonies

Analogous

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



47.8154, 40.0465, 26.6960



42.5990, 40.0465, 19.9525



36.6242, 40.0465, 18.6558

Triad

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



42.5990, 40.0465, 19.9525



27.8785, 40.0465, 47.9122



45.3783, 40.0465, 74.8778

Complementary

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



42.5990, 40.0465, 19.9525



31.4135, 34.2482, 67.9055

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.



39.5390, 40.0465, 84.4456



42.5990, 40.0465, 19.9525



29.7359, 40.0465, 66.4667

Square

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



42.5990, 40.0465, 19.9525



28.5167, 40.0465, 32.2550



33.8610, 40.0465, 81.0239



49.5323, 40.0465, 57.3440

Rectangle

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



42.5990, 40.0465, 19.9525



33.0781, 40.0465, 20.6367



33.8610, 40.0465, 81.0239



43.5252, 40.0465, 79.3142

Sweetspot

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



42.6000, 40.0484, 19.9533



83.4807, 85.7543, 77.6276



39.6524, 27.7809, 38.6159



17.5514, 17.9565, 15.7845



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.



42.6000, 40.0484, 19.9533



59.4669, 53.6711, 20.4690



53.1324, 61.1132, 23.4641



12.9110, 13.3962, 13.0660



19.7904, 14.6979, 1.7939



1.2763, 1.0518, 0.1357

Inverse Universe

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



31.4135, 34.2482, 67.9055



40.6867, 43.9234, 100.9414



24.1630, 19.7473, 65.4887



12.2706, 13.0647, 15.8125



10.8841, 10.0299, 39.8155



0.7392, 0.7704, 2.4290

Previews

White Background



This preview shows how the XYZ color 42.5990, 40.0465, 19.9525 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 42.5990, 40.0465, 19.9525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

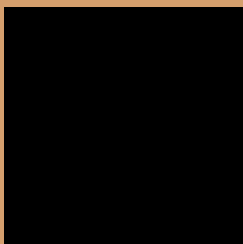
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.5990, 40.0465, 19.9525

Background



This preview shows how black text looks on a background with the XYZ color 42.5990, 40.0465, 19.9525.



This preview shows how white text looks on a background with the XYZ color 42.5990, 40.0465,

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

42.5990, 40.0465, 19.9525

Protanopia

37.1225, 40.1321, 21.4125

Deuteranopia

40.8039, 39.9025, 19.7387



Tritanopia

46.8425, 40.0422, 40.3820

Trichromacy



Original Color

42.5990, 40.0465, 19.9525

Protanomaly

39.0665, 40.0444, 20.9995

Deuteranomaly

41.4641, 39.9823, 19.7193

Tritanomaly

45.0743, 40.0552, 31.7413

Monochromacy



Original Color

42.5990, 40.0465, 19.9525

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.7292, 39.3311, 33.1542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5990, 40.0465, 19.9525 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(213, 159, 109)` looks like.

```
.text, #text, p{  
    color:rgb(213, 159, 109)  
}
```

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(213, 159, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 159, 109) }
```

Border

The CSS property to change the border of an element to XYZ 42.5990, 40.0465, 19.9525 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(213, 159, 109) }
```


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

```
.border{ border-color:rgb(213, 159, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 159, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 159, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 159, 109);  
box-shadow:4px 4px 4px 4px rgb(213, 159,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5990, 40.0465, 19.9525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 159, 109) }
```

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

```
.background{ background-color: rgb(213,  
159, 109) }
```

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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