

Converting Colors

XYZ(41.9818, 41.1976, 27.8155)

Have a look what the booklet for
XYZ(41.9818, 41.1976, 27.8155)
contains.

XYZ(42.0459, 41.1603, 27.9190)	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(42.0459, 41.1603,
27.9190)**

Conversions

Conversions Part 1

Format	Color
Hex	CAA585
RGB	202, 165, 133
RGB Percent	79%, 65%, 52%
CMY	0.2078, 0.3529, 0.4784
CMYK	0.00, 0.18, 0.34, 0.21
HSL	28°, 39%, 66%
HSV	28°, 34%, 79%
XYZ	42.0459, 41.1603, 27.9190
YIQ	172.4150, 32.3240, -2.1080

Conversions

Conversions Part 2

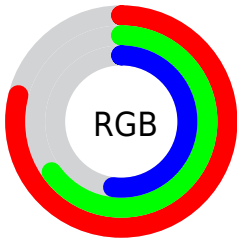
Format	Color
R _Y B	202, 193, 133
Decimal	13280645
CIE Lab	70.29, 9.05, 21.71
CIE LCh	70, 23.521, 67.383
Yxy	41.1603, 0.3784, 0.3704
Android (android.graphics.Color)	4291470725 (0xFFCAA585)
YUV	172.4150, -19.4316, 25.9460
Hunter-Lab	64.1563, 4.7094, 19.1081

Details

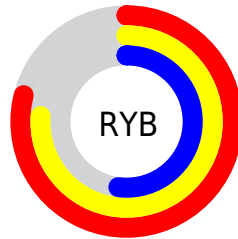
The XYZ color **42.0459, 41.1603, 27.9190** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **34.7078, 37.9990, 61.3824**, and the grayscale version is **39.5079, 41.5654, 45.2647**.

A 20% lighter version of the original color is **75.6961, 75.9916, 57.1326**, and **19.4991, 18.6378, 10.7534** is the 20% darker color. If you saturate the color by 10%, you get **38.9111, 36.9132, 20.6384**, and if you desaturate by 10%, it is **45.6167, 45.8495, 36.6699**.

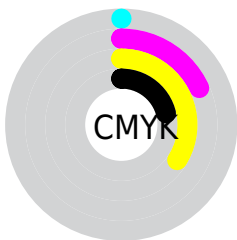
Distribution



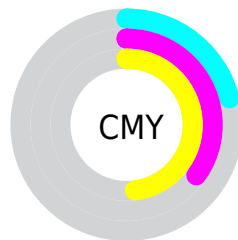
- Red (79%)
- Green (65%)
- Blue (52%)



- Red (79%)
- Yellow (76%)
- Blue (52%)



- Cyan (0%)
- Magenta (18%)
- Yellow (34%)
- Black (21%)





- Cyan (21%)
- Magenta (35%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0459, 41.1603, 27.9190 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 42.0459, 41.1603, 27.9190 by changing the saturation by 10% instead.


 42.0459, 41.1603,
27.9190

 42.0459, 41.1603,
27.9190


345.6616,
350.9901, 305.9794


 29.3285, 28.4444,
18.0261


 77.5338, 76.9272,
57.3766

 19.4750, 18.6609,
10.7991

 101.0350,
100.7469, 77.7785

 12.1200, 11.4255,
5.8194


 128.8616,
129.0367, 102.5203

 6.8983, 6.3538,
2.6686


161.3788,
162.1809, 132.0208

 3.4443, 3.0614,
0.9276

198.9521,
200.5640, 166.6984

 1.3928, 1.1639,
0.0000

241.9467,

 0.2511, 0.0319,

244.5703, 206.9717

0.0000

290.7281,
294.5842, 253.2592

■ 0.0000, 0.0000,
0.0000

■ 42.0459, 41.1603,
27.9190

■ 42.0459, 41.1603,
27.9190

■ 38.9111, 36.9132,
20.6384

■ 45.6167, 45.8495,
36.6699

■ 36.1895, 33.0882,
14.7429

■ 49.6385, 50.9885,
46.9647

■ 33.8610, 29.6718,
10.1424


■ 54.1293, 56.5923,
58.8751


■ 31.9022, 26.6476,
6.7347


■ 59.1052, 62.6731,
72.4675


■ 30.2862, 23.9975,
4.4023


■ 64.5815, 69.2428,
87.8045


 28.9815, 21.7011,
3.0027

 70.5725, 76.3126,
104.9455

 28.3327, 20.5077,
2.4651

 73.8090, 82.5803,
106.6572

 77.1077, 89.1777,
107.7568

 78.1671, 91.2966,
108.1099

Harmonies

Analogous

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



45.3205, 41.1603, 33.1099



42.0459, 41.1603, 27.9190



38.1755, 41.1603, 26.8687

Triad

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



42.0459, 41.1603, 27.9190



32.2130, 41.1603, 47.6041



43.8032, 41.1603, 63.9175

Complementary

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



42.0459, 41.1603, 27.9190



34.7078, 37.9990, 61.3824

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.



40.0832, 41.1603, 69.3748



42.0459, 41.1603, 27.9190



33.5154, 41.1603, 59.0009

Square

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



42.0459, 41.1603, 27.9190



32.6624, 41.1603, 37.1290



36.3362, 41.1603, 67.4415



46.3808, 41.1603, 53.4981

Rectangle

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



42.0459, 41.1603, 27.9190



35.8062, 41.1603, 28.4676



36.3362, 41.1603, 67.4415



42.6357, 41.1603, 66.4650

Sweetspot

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



42.0470, 41.1622, 27.9198



87.0052, 90.0499, 87.2910



40.0909, 32.2704, 42.6192



18.3950, 18.9892, 18.0834



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.



42.0470, 41.1622, 27.9198



67.1918, 64.2974, 37.9138



48.9109, 54.8902, 30.2078



11.6340, 12.0570, 11.7935



18.3190, 13.3710, 1.6153



1.0207, 0.8411, 0.1086

Inverse Universe

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



34.7078, 37.9990, 61.3824



52.9041, 58.1336, 103.0403



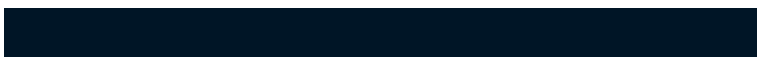
29.2017, 26.9867, 59.5470



11.0915, 11.8235, 14.2679



10.4216, 9.8671, 37.3115



0.6131, 0.6600, 1.9500

Previews

White Background



This preview shows how the XYZ color 42.0459, 41.1603, 27.9190 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 42.0459, 41.1603, 27.9190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

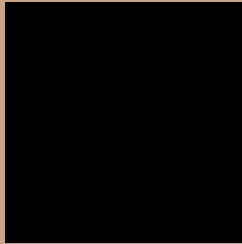
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.0459, 41.1603, 27.9190

Background



This preview shows how black text looks on a background with the XYZ color 42.0459, 41.1603, 27.9190.



This preview shows how white text looks on a background with the XYZ color 42.0459, 41.1603,

27.9190.

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

42.0459, 41.1603, 27.9190

Protanopia

38.7249, 41.3499, 29.2329

Deuteranopia

42.0459, 41.1603, 27.9190



Tritanopia

45.4708, 41.2420, 44.5937

Trichromacy



Original Color

42.0459, 41.1603, 27.9190

Protanomaly

39.7963, 41.0724, 28.7519

Deuteranomaly

42.0459, 41.1603, 27.9190

Tritanomaly

44.2687, 41.2884, 37.9840

Monochromacy



Original Color

42.0459, 41.1603, 27.9190

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

39.8880, 40.9118, 38.1422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0459, 41.1603, 27.9190 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(202, 165, 133)` looks like.

```
.text, #text, p{  
    color:rgb(202, 165, 133)  
}
```

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(202, 165, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 165, 133) }
```

Border

The CSS property to change the border of an element to XYZ 42.0459, 41.1603, 27.9190 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(202, 165, 133) }
```


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

```
.border{ border-color:rgb(202, 165, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 165, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 165, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 165, 133);  
box-shadow:4px 4px 4px 4px rgb(202, 165,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0459, 41.1603, 27.9190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 165, 133) }
```

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

```
.background{ background-color: rgb(202,  
165, 133) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor