

Converting Colors

XYZ(42.6274, 40.7041, 20.9989)

Have a look what the booklet for
XYZ(42.6274, 40.7041, 20.9989)
contains.

XYZ(42.7089, 40.8594, 20.9649)	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(42.7089, 40.8594,
20.9649)**

Conversions

Conversions Part 1

Format	Color
Hex	D3A270
RGB	211, 162, 112
RGB Percent	83%, 64%, 44%
CMY	0.1726, 0.3647, 0.5608
CMYK	0.00, 0.23, 0.47, 0.17
HSL	30°, 53%, 63%
HSV	30°, 47%, 83%
XYZ	42.7089, 40.8594, 20.9649
YIQ	170.9510, 45.2540, -5.1620

Conversions

Conversions Part 2

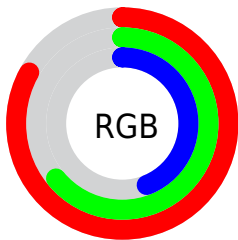
Format	Color
RYB	209, 211, 112
Decimal	13869680
CIELab	70.08, 11.95, 32.92
CIELCh	70, 35.020, 70.055
Yxy	40.8594, 0.4086, 0.3909
Android (android.graphics.Color)	4292059760 (0xFFD3A270)
YUV	170.9510, -29.0628, 35.1230
Hunter-Lab	63.9214, 7.4020, 25.2990

Details

The XYZ color **42.7089, 40.8594, 20.9649** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **31.1842, 33.6362, 66.4766**, and the grayscale version is **38.8104, 40.8315, 44.4656**.

A 20% lighter version of the original color is **72.7537, 73.5660, 45.4871**, and **19.7996, 18.3808, 7.2069** is the 20% darker color. If you saturate the color by 10%, you get **39.9054, 36.9174, 14.8979**, and if you desaturate by 10%, it is **45.9425, 45.2210, 28.5342**.

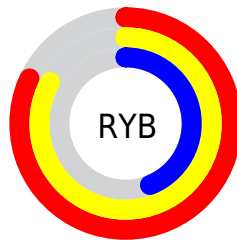
Distribution



Red (83%)

Green (64%)

Blue (44%)



Red (82%)

Yellow (83%)

Blue (44%)

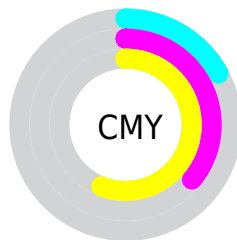


Cyan (0%)

Magenta (23%)

Yellow (47%)

Black (17%)



Cyan (17%)


Magenta (36%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7089, 40.8594, 20.9649 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 42.7089, 40.8594, 20.9649 by changing the saturation by 10% instead.


 42.7089, 40.8594,
20.9649


 42.7089, 40.8594,
20.9649


348.3551,
349.7326, 269.8668


 29.8503, 28.2092,
12.9074


 78.5298, 76.4704,
45.9091


 19.8725, 18.4834,
7.2348


 102.2229,
100.2001, 63.6329

 12.4101, 11.2976,
3.5287


 130.2582,
128.3916, 85.4159

 7.0978, 6.2674,
1.3705

 163.0010,
161.4296, 111.6765

 3.5702, 3.0083,
0.1186

200.8168,
199.6982, 142.8334

 1.4620, 1.1361,
0.0000

244.0708,

 0.2998, 0.0086,

243.5821, 179.3050

0.0000

293.1285,
293.4654, 221.5100

■ 0.0000, 0.0000,
0.0000

■ 42.7089, 40.8594,
20.9649

■ 42.7089, 40.8594,
20.9649

■ 39.9054, 36.9174,
14.8979

■ 45.9425, 45.2210,
28.5342

■ 37.5058, 33.3740,
10.2266

■ 49.6243, 50.0104,
37.6975

■ 35.4852, 30.2145,
6.8345


■ 53.7750, 55.2430,
48.5416


■ 33.8136, 27.4206,
4.5843


■ 58.4129, 60.9315,
61.1468


■ 32.4532, 24.9705,
3.2960


■ 63.5552, 67.0880,
75.5877

 32.0775, 24.2760,
2.9951

 69.2183, 73.7239,
91.9350

 74.6514, 80.5440,
106.2197

 77.7312, 86.7036,
107.2463

 80.6739, 92.5888,
108.2272

Harmonies

Analogous

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



47.8757, 40.8594, 27.1433



42.7089, 40.8594, 20.9649



36.9470, 40.8594, 20.1254

Triad

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



42.7089, 40.8594, 20.9649



28.9828, 40.8594, 50.2176



46.3511, 40.8594, 73.2118

Complementary

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



42.7089, 40.8594, 20.9649



31.1842, 33.6362, 66.4766

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.



40.7875, 40.8594, 83.2630



42.7089, 40.8594, 20.9649



31.0118, 40.8594, 67.9901

Square

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



42.7089, 40.8594, 20.9649



29.3883, 40.8594, 34.5874



35.2039, 40.8594, 81.1472



50.1174, 40.8594, 56.1200

Rectangle

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



42.7089, 40.8594, 20.9649



33.5842, 40.8594, 22.4177



35.2039, 40.8594, 81.1472



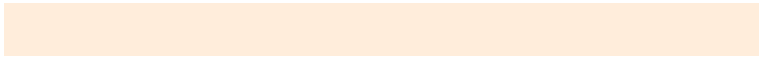
44.6078, 40.8594, 77.6955

Sweetspot

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



42.7099, 40.8614, 20.9657



84.4462, 87.1512, 79.5962



39.1355, 28.0285, 37.2975



17.7544, 18.2572, 16.1762



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.



42.7099, 40.8614, 20.9657



61.3846, 56.8519, 23.1259



53.0828, 61.6071, 24.4233



12.2952, 12.7810, 12.4310



19.4616, 14.8561, 1.8418



1.1675, 0.9894, 0.1294

Inverse Universe

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



31.1842, 33.6362, 66.4766



41.6646, 44.4919, 100.9996



24.2345, 19.7367, 64.1600



11.6400, 12.3702, 15.0178



10.2115, 9.0696, 38.4049



0.6503, 0.6658, 2.1738

Previews

White Background



This preview shows how the XYZ color 42.7089, 40.8594, 20.9649 looks on a white background.

Color Contrast Check

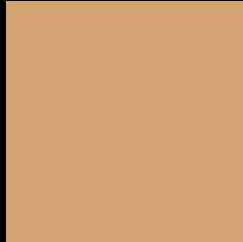
Large Text (above 18pt) WCAG AA × Fail

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 42.7089, 40.8594, 20.9649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

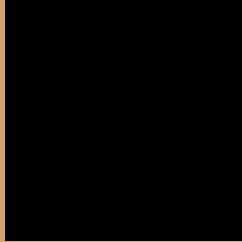
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.7089, 40.8594, 20.9649

Background



This preview shows how black text looks on a background with the XYZ color 42.7089, 40.8594, 20.9649.



This preview shows how white text looks on a background with the XYZ color 42.7089, 40.8594,

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

42.7089, 40.8594, 20.9649

Protanopia

37.9650, 40.8259, 22.4022

Deuteranopia

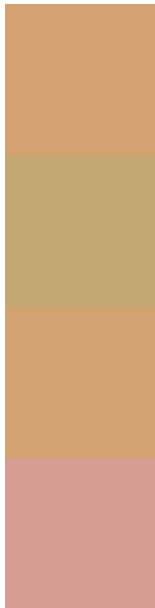
41.6537, 40.8426, 21.0173



Tritanopia

47.0153, 40.8316, 41.9625

Trichromacy



Original Color

42.7089, 40.8594, 20.9649

Protanomaly

39.6028, 40.8452, 22.0163

Deuteranomaly

42.0342, 40.7741, 20.9840

Tritanomaly

45.2249, 40.8564, 33.1062

Monochromacy



Original Color

42.7089, 40.8594, 20.9649

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

39.7574, 40.6464, 34.6043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7089, 40.8594, 20.9649 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(211, 162, 112)` looks like.

```
.text, #text, p{  
    color:rgb(211, 162, 112)  
}
```

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(211, 162, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 162, 112) }
```

Border

The CSS property to change the border of an element to XYZ 42.7089, 40.8594, 20.9649 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(211, 162, 112) }
```


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

```
.border{ border-color:rgb(211, 162, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 162, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 162, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 162, 112);  
box-shadow:4px 4px 4px 4px rgb(211, 162,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7089, 40.8594, 20.9649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 162, 112) }
```

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

```
.background{ background-color: rgb(211,  
162, 112) }
```

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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