

Converting Colors

XYZ(40.8942, 42.9273, 21.4597)

Have a look what the booklet for
XYZ(40.8942, 42.9273, 21.4597)
contains.

XYZ(40.8942, 42.9273, 21.4597)	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(40.8942, 42.9273,
21.4597)**

Conversions

Conversions Part 1

Format	Color
Hex	C5AD70
RGB	197, 173, 112
RGB Percent	77%, 68%, 44%
CMY	0.2275, 0.3215, 0.5608
CMYK	0.00, 0.12, 0.43, 0.23
HSL	43°, 42%, 61%
HSV	43°, 43%, 77%
XYZ	40.8942, 42.9273, 21.4597
YIQ	173.2220, 33.8850, -13.8830

Conversions

Conversions Part 2

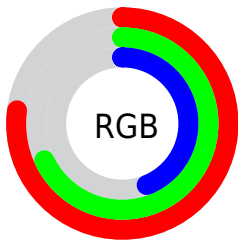
Format	Color
RYB	145, 197, 112
Decimal	12954992
CIELab	71.51, 0.29, 34.48
CIELCh	72, 34.482, 89.524
Yxy	42.9273, 0.3884, 0.4077
Android (android.graphics.Color)	4291145072 (0xFFC5AD70)
YUV	173.2220, -30.1824, 20.8533
Hunter-Lab	65.5189, -3.2458, 26.4437

Details

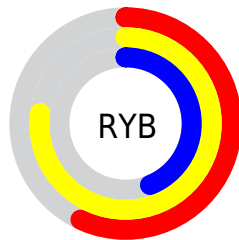
The XYZ color **40.8942, 42.9273, 21.4597** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **25.5641, 25.0836, 56.3176**, and the grayscale version is **39.9718, 42.0535, 45.7962**.

A 20% lighter version of the original color is **75.7749, 79.4634, 46.9415**, and **18.8899, 19.7844, 7.5258** is the 20% darker color. If you saturate the color by 10%, you get **38.8711, 40.4486, 15.9532**, and if you desaturate by 10%, it is **43.2038, 45.5948, 28.2466**.

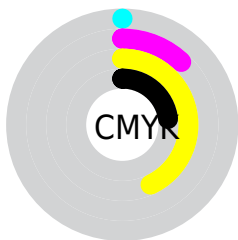
Distribution



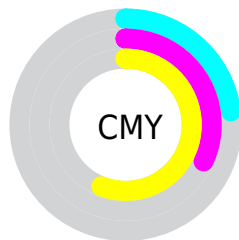
- Red (77%)
- Green (68%)
- Blue (44%)



- Red (57%)
- Yellow (77%)
- Blue (44%)



- Cyan (0%)
- Magenta (12%)
- Yellow (43%)
- Black (23%)



- Cyan (23%)
- Magenta (32%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8942, 42.9273, 21.4597 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 40.8942, 42.9273, 21.4597 by changing the saturation by 10% instead.

■ 40.8942, 42.9273,
21.4597

■ 40.8942, 42.9273,
21.4597

340.9484,
358.3127, 272.5724

■ 28.4237, 29.8281,
13.2659

■ 75.7990, 79.6011,
46.7420

■ 18.7874, 19.7081,
7.4790

■ 98.9640, 103.9446,
64.6677

■ 11.6199, 12.1831,
3.6805

■ 126.4246,
132.8048, 86.6744

■ 6.5557, 6.8685,
1.4518

■ 158.5461,
166.5663, 113.1807

■ 3.2297, 3.3800,
0.1816

195.6939,
205.6135, 144.6051

■ 1.2764, 1.3332,
0.0000

238.2333,

■ 0.1654, 0.1667,

250.3307, 181.3661

0.0000

286.5297,
301.1023, 223.8824

■ 0.0000, 0.0000,
0.0000

■ 40.8942, 42.9273,
21.4597

■ 40.8942, 42.9273,
21.4597

■ 38.8711, 40.4486,
15.9532

■ 43.2038, 45.5948,
28.2466

■ 37.1150, 38.1454,
11.6410

■ 45.8116, 48.4518,
36.3872

■ 35.6087, 36.0113,
8.4304

■ 48.7326, 51.5068,
45.9524

■ 34.3313, 34.0372,
6.2141

■ 51.9794, 54.7657,
57.0073

■ 33.2577, 32.2122,
4.8627

■ 55.5643, 58.2341,
69.6129

■ 32.6080, 31.0344,
4.2716

■ 59.4985, 61.9173,
83.8271

■ 63.7930, 65.8205,
99.7043

■ 66.0168, 68.9720,
104.4412

■ 67.4789, 71.8961,
104.9286

Harmonies

Analogous

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



46.7439, 42.9273, 24.2035



40.8942, 42.9273, 21.4597



35.5314, 42.9273, 24.0321

Triad

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



40.8942, 42.9273, 21.4597



31.8179, 42.9273, 64.3789



51.2252, 42.9273, 64.9518

Complementary

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



40.8942, 42.9273, 21.4597



25.5641, 25.0836, 56.3176

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.



46.5677, 42.9273, 80.5410



40.8942, 42.9273, 21.4597



35.3847, 42.9273, 80.1587

Square

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



40.8942, 42.9273, 21.4597



30.6030, 42.9273, 46.4746



40.7082, 42.9273, 86.6698



53.0452, 42.9273, 47.0074

Rectangle

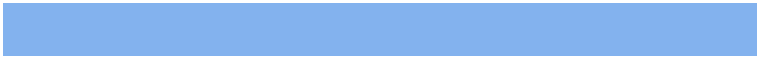
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.8942, 42.9273, 21.4597



32.8672, 42.9273, 28.8708



40.7082, 42.9273, 86.6698



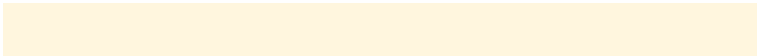
49.9190, 42.9273, 70.7832

Sweetspot

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



40.8953, 42.9293, 21.4606



87.2516, 92.2197, 82.2034



33.2703, 25.2391, 26.4422



18.4139, 19.4697, 16.7250



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.



40.8953, 42.9293, 21.4606



69.7369, 72.5936, 28.8790



41.3854, 50.6366, 22.9224



11.2611, 11.8913, 11.2645



21.5215, 20.5602, 2.8342



1.0782, 1.0918, 0.1539

Inverse Universe

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



25.5641, 25.0836, 56.3176



38.6747, 36.4706, 99.6089



25.1426, 20.3990, 55.4356



10.2964, 10.7669, 13.4530



7.6086, 4.6111, 35.2334



0.4233, 0.3443, 1.6893

Previews

White Background



This preview shows how the XYZ color 40.8942, 42.9273, 21.4597 looks on a white background.

Color Contrast Check

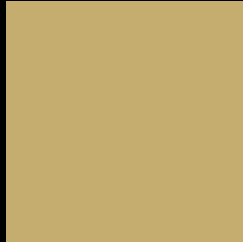
Large Text (above 18pt) WCAG AA × Fail

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 40.8942, 42.9273, 21.4597 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 40.8942, 42.9273, 21.4597

Background



This preview shows how black text looks on a background with the XYZ color 40.8942, 42.9273, 21.4597.



This preview shows how white text looks on a background with the XYZ color 40.8942, 42.9273,

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

40.8942, 42.9273, 21.4597

Protanopia

39.7965, 42.9286, 21.8113

Deuteranopia

43.6633, 42.6786, 21.5593



Tritanopia

46.3929, 42.9620, 47.9668

Trichromacy



Original Color

40.8942, 42.9273, 21.4597

Protanomaly

40.1090, 42.8018, 21.7704

Deuteranomaly

42.6222, 42.6900, 21.6163

Tritanomaly

43.9228, 42.7559, 36.5096

Monochromacy



Original Color

40.8942, 42.9273, 21.4597

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.8209, 42.0666, 35.2990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8942, 42.9273, 21.4597 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(197, 173, 112)` looks like.

```
.text, #text, p{  
    color:rgb(197, 173, 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(197, 173, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 173, 112) }
```

Border

The CSS property to change the border of an element to XYZ 40.8942, 42.9273, 21.4597 is called "border". The border property can be set on classes, ids or directly on the HTML element.

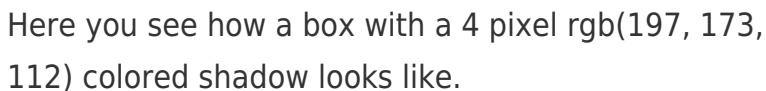
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 173, 112) }
```


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

```
.border{ border-color:rgb(197, 173, 112) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 173, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 173, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 173, 112);  
box-shadow:4px 4px 4px 4px rgb(197, 173,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8942, 42.9273, 21.4597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 173, 112) }
```

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

```
.background{ background-color: rgb(197,  
173, 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](#).

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