

Converting Colors

XYZ(42.5827, 42.3191, 31.4863)

Have a look what the booklet for
XYZ(42.5827, 42.3191, 31.4863)
contains.

XYZ(42.6236, 42.4710, 31.5424)	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(42.6236, 42.4710,
31.5424)**

Conversions

Conversions Part 1

Format	Color
Hex	C7A98E
RGB	199, 169, 142
RGB Percent	78%, 66%, 56%
CMY	0.2196, 0.3372, 0.4431
CMYK	0.00, 0.15, 0.29, 0.22
HSL	28°, 34%, 67%
HSV	28°, 29%, 78%
XYZ	42.6236, 42.4710, 31.5424
YIQ	174.8920, 26.5470, -2.0370

Conversions

Conversions Part 2

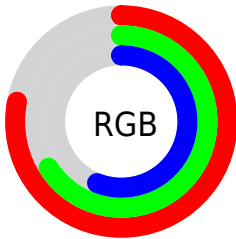
Format	Color
R _Y B	199, 193, 142
Decimal	13085070
CIE Lab	71.19, 6.88, 18.00
CIE LCh	71, 19.269, 69.095
Yxy	42.4710, 0.3654, 0.3641
Android (android.graphics.Color)	4291275150 (0xFFC7A98E)
YUV	174.8920, -16.2158, 21.1427
Hunter-Lab	65.1698, 2.6989, 16.9223

Details

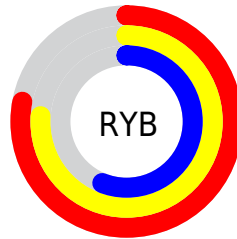
The XYZ color **42.6236, 42.4710, 31.5424** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **36.2163, 39.3782, 59.7249**, and the grayscale version is **40.7642, 42.8871, 46.7040**.

A 20% lighter version of the original color is **77.8595, 78.5568, 63.2839**, and **19.7947, 19.4246, 12.8312** is the 20% darker color. If you saturate the color by 10%, you get **39.3903, 38.1856, 23.7398**, and if you desaturate by 10%, it is **46.2820, 47.1791, 40.8036**.

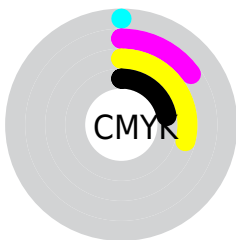
Distribution



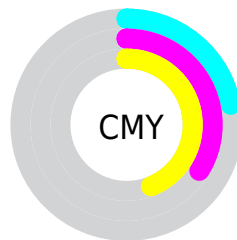
- Red (78%)
- Green (66%)
- Blue (56%)



- Red (78%)
- Yellow (76%)
- Blue (56%)



- Cyan (0%)
- Magenta (15%)
- Yellow (29%)
- Black (22%)





- Cyan (22%)
- Magenta (34%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6236, 42.4710, 31.5424 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 42.6236, 42.4710, 31.5424 by changing the saturation by 10% instead.


 42.6236, 42.4710,
31.5424


 42.6236, 42.4710,
31.5424


348.0093,
356.4317, 323.4577

 29.7831, 29.4703,
20.7503


 78.4018, 78.9120,
63.1826

 19.8213, 19.4369,
12.7521


 102.0703,
103.1210, 84.8677

 12.3727, 11.9864,
7.1294

 130.0788,
131.8349, 111.0210

 7.0720, 6.7344,
3.4635

162.7927,
165.4381, 142.0609

 3.5539, 3.2966,
1.3359

200.5773,
204.3150, 178.4060

 1.4530, 1.2884,
0.0909

243.7981,

 0.2935, 0.1322,

248.8500, 220.4748

0.0000

292.8203,
299.4274, 268.6858

■ 0.0000, 0.0000,
0.0000

■ 42.6236, 42.4710,
31.5424

■ 42.6236, 42.4710,
31.5424

■ 39.3903, 38.1856,
23.7398

■ 46.2820, 47.1791,
40.8036

■ 36.5609, 34.3042,
17.3172

■ 50.3787, 52.3163,
51.5913

■ 34.1172, 30.8150,
12.1926

■ 54.9307, 57.8964,
63.9719

■ 32.0381, 27.7031,
8.2740

■ 59.9526, 63.9306,
78.0075

■ 30.3000, 24.9526,
5.4572

■ 65.4587, 70.4295,
93.7566

■ 28.8756, 22.5459,
3.6197

■ 70.4144, 76.9844,
105.7560

■ 27.7235, 20.4590,
2.5654

■ 73.4479, 83.0515,
106.7672

■ 27.5807, 20.1970,
2.4448

■ 76.6600, 89.4757,
107.8379

■ 77.3632, 90.8821,
108.0723

Harmonies

Analogous

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



45.3803, 42.4710, 35.9126



42.6236, 42.4710, 31.5424



39.3939, 42.4710, 30.8143

Triad

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



42.6236, 42.4710, 31.5424



34.5419, 42.4710, 49.1117



44.4106, 42.4710, 61.4621

Complementary

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



42.6236, 42.4710, 31.5424



36.2163, 39.3782, 59.7249

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.



41.3568, 42.4710, 66.1173



42.6236, 42.4710, 31.5424



35.7380, 42.4710, 58.3874

Square

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



42.6236, 42.4710, 31.5424



34.8408, 42.4710, 40.1847



38.1923, 42.4710, 64.9227



46.4496, 42.4710, 52.8831

Rectangle

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



42.6236, 42.4710, 31.5424



37.4230, 42.4710, 32.3813



38.1923, 42.4710, 64.9227



43.4623, 42.4710, 63.5864

Sweetspot

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



42.6247, 42.4730, 31.5433



87.8401, 91.1440, 89.3441



40.7114, 34.4825, 43.7419



18.5654, 19.2152, 18.4938



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.



42.6247, 42.4730, 31.5433



71.2284, 69.8834, 46.9272



48.4248, 54.0732, 33.4767



11.0413, 11.4518, 11.1912



17.8214, 13.1599, 1.6008



0.9162, 0.7679, 0.0999

Inverse Universe

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



36.2163, 39.3782, 59.7249



58.2901, 63.6331, 103.8179



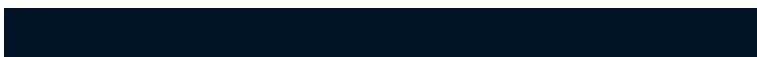
31.4227, 29.7911, 58.1270



10.5109, 11.1958, 13.5245



9.9472, 9.2884, 36.0129



0.5432, 0.5841, 1.7293

Previews

White Background



This preview shows how the XYZ color 42.6236, 42.4710, 31.5424 looks on a white background.

Color Contrast Check

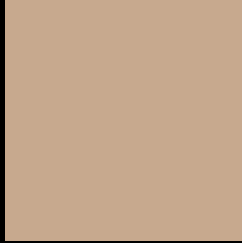
Large Text (above 18pt) WCAG AA × Fail

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 42.6236, 42.4710, 31.5424 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 42.6236, 42.4710, 31.5424

Background



This preview shows how black text looks on a background with the XYZ color 42.6236, 42.4710, 31.5424.



This preview shows how white text looks on a background with the XYZ color 42.6236, 42.4710,

31.5424.

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

42.6236, 42.4710, 31.5424

Protanopia

39.9373, 42.4761, 32.4793

Deuteranopia

43.2422, 42.5148, 31.5183



Tritanopia

45.8399, 42.4218, 47.3672

Trichromacy



Original Color

42.6236, 42.4710, 31.5424

Protanomaly

40.6967, 42.3070, 32.0077

Deuteranomaly

42.9725, 42.3758, 31.5056

Tritanomaly

44.6942, 42.5093, 40.9714

Monochromacy



Original Color

42.6236, 42.4710, 31.5424

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

41.3216, 42.7218, 40.7186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6236, 42.4710, 31.5424 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(199, 169, 142)` looks like.

```
.text, #text, p{  
    color:rgb(199, 169, 142)  
}
```

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(199, 169, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 169, 142) }
```

Border

The CSS property to change the border of an element to XYZ 42.6236, 42.4710, 31.5424 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(199, 169, 142) }
```


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

```
.border{ border-color:rgb(199, 169, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 169, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 169, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 169, 142); box-shadow:4px 4px 4px 4px rgb(199, 169, 142) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6236, 42.4710, 31.5424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 169, 142) }
```

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

```
.background{ background-color: rgb(199,  
169, 142) }
```

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