

Converting Colors

XYZ(42.5072, 46.1546, 29.1769)

Have a look what the booklet for
XYZ(42.5072, 46.1546, 29.1769)
contains.

XYZ(42.5169, 46.2535, 29.2412)	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(42.5169, 46.2535,
29.2412)**

Conversions

Conversions Part 1

Format	Color
Hex	BFB686
RGB	191, 182, 134
RGB Percent	75%, 71%, 53%
CMY	0.2510, 0.2863, 0.4745
CMYK	0.00, 0.05, 0.30, 0.25
HSL	51°, 31%, 64%
HSV	51°, 30%, 75%
XYZ	42.5169, 46.2535, 29.2412
YIQ	179.2190, 20.7720, -13.0200

Conversions

Conversions Part 2

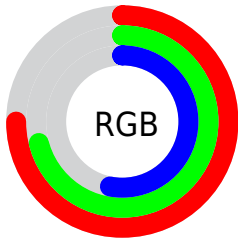
Format	Color
RYB	145, 191, 134
Decimal	12564102
CIELab	73.71, -4.29, 25.64
CIELCh	74, 25.992, 99.491
Yxy	46.2535, 0.3603, 0.3919
Android (android.graphics.Color)	4290754182 (0xFFBFB686)
YUV	179.2190, -22.2930, 10.3319
Hunter-Lab	68.0099, -7.4268, 22.1149

Details

The XYZ color **42.5169, 46.2535, 29.2412** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **29.0578, 28.4741, 53.2549**, and the grayscale version is **43.0730, 45.3161, 49.3493**.

A 20% lighter version of the original color is **78.3630, 84.7364, 59.8025**, and **19.7670, 21.6590, 11.5263** is the 20% darker color. If you saturate the color by 10%, you get **40.6930, 44.5484, 22.6440**, and if you desaturate by 10%, it is **44.5971, 48.0856, 37.1120**.

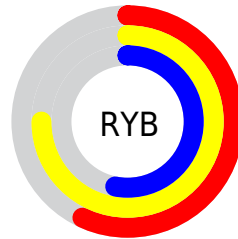
Distribution



Red (75%)

Green (71%)

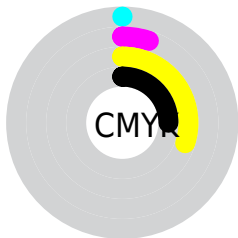
Blue (53%)



Red (57%)

Yellow (75%)

Blue (53%)

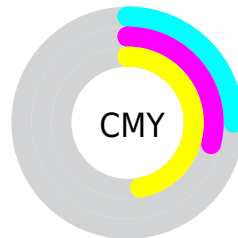


Cyan (0%)

Magenta (5%)

Yellow (30%)

Black (25%)



Cyan (25%)

Magenta (29%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5169, 46.2535, 29.2412 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 42.5169, 46.2535, 29.2412 by changing the saturation by 10% instead.

■ 42.5169, 46.2535,
29.2412

■ 42.5169, 46.2535,
29.2412

347.5765,
371.8269, 312.4478

■ 29.6991, 32.4459,
19.0162

■ 78.2416, 84.5983,
59.5068

■ 19.7573, 21.7023,
11.5051

■ 101.8792,
109.9042, 80.3846

■ 12.3260, 13.6383,
6.2892

■ 129.8542,
139.8117, 105.6503

■ 7.0399, 7.8696,
2.9501

162.5319,
174.7052, 135.7226

■ 3.5336, 4.0116,
1.0692

200.2776,
214.9691, 171.0199

■ 1.4418, 1.6800,
0.0000

243.4567,

■ 0.2857, 0.4107,

260.9877, 211.9609

0.0000

292.4345,
313.1455, 258.9640

■ 0.0000, 0.0000,
0.0000

■ 42.5169, 46.2535,
29.2412

■ 42.5169, 46.2535,
29.2412

■ 40.6930, 44.5484,
22.6440

■ 44.5971, 48.0856,
37.1120

■ 39.1088, 42.9587,
17.2491

■ 46.9421, 50.0435,
46.3167

■ 37.7512, 41.4806,
12.9829

■ 49.5644, 52.1338,
56.9150

■ 36.6045, 40.1077,
9.7624

■ 52.4746, 54.3609,
68.9626

■ 35.6504, 38.8326,
7.4929

■ 55.6826, 56.7289,
82.5116

■ 34.8679, 37.6468,
6.0630

■ 59.1981, 59.2418,
97.6120

■ 34.2158, 36.5335,
5.2570

■ 60.9167, 61.0579,
103.1824

■ 34.2058, 36.5162,
5.2455

■ 61.6360, 62.4965,
103.4222

■ 62.3692, 63.9630,
103.6666

Harmonies

Analogous

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



47.1424, 46.2535, 30.1282



42.5169, 46.2535, 29.2412



38.5621, 46.2535, 33.1993

Triad

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



42.5169, 46.2535, 29.2412



37.4696, 46.2535, 68.2961



52.7998, 46.2535, 59.7918

Complementary

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



42.5169, 46.2535, 29.2412



29.0578, 28.4741, 53.2549

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.



49.8450, 46.2535, 72.6073



42.5169, 46.2535, 29.2412



40.9291, 46.2535, 78.0822

Square

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



42.5169, 46.2535, 29.2412



35.7854, 46.2535, 54.6658



45.4406, 46.2535, 79.7847



53.2992, 46.2535, 46.2906

Rectangle

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



42.5169, 46.2535, 29.2412



36.7584, 46.2535, 38.5407



45.4406, 46.2535, 79.7847



52.0514, 46.2535, 64.3831

Sweetspot

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



42.5181, 46.2556, 29.2422



84.3856, 89.8821, 84.1989



35.0073, 30.1255, 30.1559



18.3865, 19.6201, 17.9163



92.9021, 97.7402, 106.4391



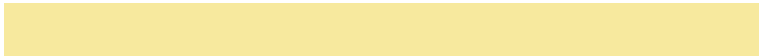
19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.5181, 46.2556, 29.2422



73.9022, 80.7631, 44.1789



39.9475, 47.7537, 29.6668



10.1905, 10.8571, 10.1352



22.5282, 24.0952, 3.4635



0.9174, 1.0138, 0.1473

Inverse Universe

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



29.0578, 28.4741, 53.2549



45.8236, 43.6781, 94.2947



31.0664, 27.5847, 52.9774



9.1349, 9.4620, 12.0171



6.5268, 3.1652, 32.6599



0.2945, 0.2017, 1.2923

Previews

White Background



This preview shows how the XYZ color 42.5169, 46.2535, 29.2412 looks on a white background.

Color Contrast Check

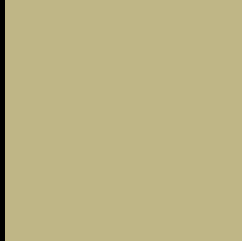
Large Text (above 18pt) WCAG AA × Fail

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 42.5169, 46.2535, 29.2412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

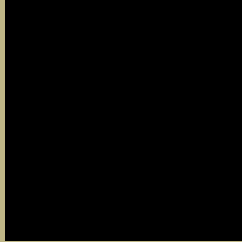
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.5169, 46.2535, 29.2412

Background



This preview shows how black text looks on a background with the XYZ color 42.5169, 46.2535, 29.2412.



This preview shows how white text looks on a background with the XYZ color 42.5169, 46.2535,

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

42.5169, 46.2535, 29.2412

Protanopia

43.0751, 46.2383, 29.2088

Deuteranopia

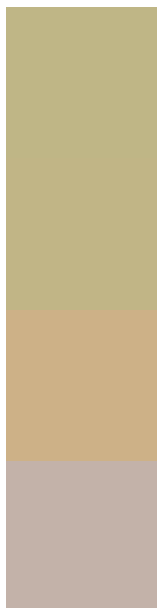
47.0206, 46.1958, 29.7310



Tritanopia

47.8040, 46.3398, 54.5691

Trichromacy



Original Color

42.5169, 46.2535, 29.2412

Protanomaly

42.8193, 46.1064, 29.1969

Deuteranomaly

45.2722, 46.1727, 29.4478

Tritanomaly

45.5875, 46.3075, 44.0716

Monochromacy



Original Color

42.5169, 46.2535, 29.2412

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.4606, 45.3541, 41.1666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5169, 46.2535, 29.2412 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(191, 182, 134)` looks like.

```
.text, #text, p{  
    color:rgb(191, 182, 134)  
}
```

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(191, 182, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 182, 134) }
```

Border

The CSS property to change the border of an element to XYZ 42.5169, 46.2535, 29.2412 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(191, 182, 134) }
```


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

```
.border{ border-color:rgb(191, 182, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 182, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 182, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 182, 134);  
box-shadow:4px 4px 4px 4px rgb(191, 182,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5169, 46.2535, 29.2412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 182, 134) }
```

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

```
.background{ background-color: rgb(191,  
182, 134) }
```

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