

Converting Colors

XYZ(42.7932, 46.2458, 22.2937)

Have a look what the booklet for
XYZ(42.7932, 46.2458, 22.2937)
contains.

XYZ(42.7932, 46.2458, 22.2937) 3

Conversions 4

Details 6

Harmonies 12

Previews 24

Color Blindness Simulation 28

CSS Examples 31

Color

**XYZ(42.7932, 46.2458,
22.2937)**

Conversions

Conversions Part 1

Format	Color
Hex	C6B571
RGB	198, 181, 113
RGB Percent	78%, 71%, 44%
CMY	0.2235, 0.2902, 0.5569
CMYK	0.00, 0.09, 0.43, 0.22
HSL	48°, 43%, 61%
HSV	48°, 43%, 78%
XYZ	42.7932, 46.2458, 22.2937
YIQ	178.3310, 31.9600, -17.5440

Conversions

Conversions Part 2

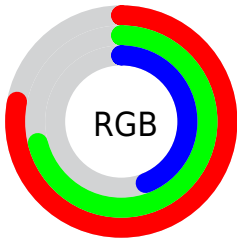
Format	Color
RYB	134, 198, 113
Decimal	13022577
CIELab	73.70, -3.44, 36.78
CIELCh	74, 36.944, 95.339
Yxy	46.2458, 0.3844, 0.4154
Android (android.graphics.Color)	4291212657 (0xFFC6B571)
YUV	178.3310, -32.2082, 17.2497
Hunter-Lab	68.0043, -6.6824, 28.1661

Details

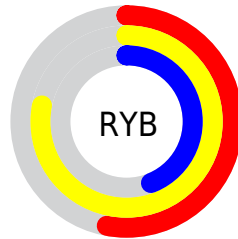
The XYZ color **42.7932, 46.2458, 22.2937** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **24.9855, 23.5524, 56.6551**, and the grayscale version is **42.6468, 44.8677, 48.8609**.

A 20% lighter version of the original color is **78.4071, 84.5815, 48.2698**, and **19.9441, 21.6369, 7.8278** is the 20% darker color. If you saturate the color by 10%, you get **41.0047, 44.2623, 16.7852**, and if you desaturate by 10%, it is **44.8501, 48.3766, 29.0924**.

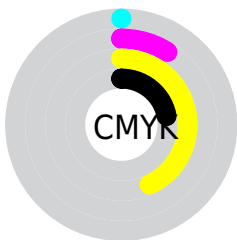
Distribution



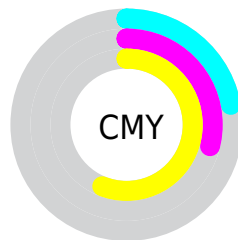
- Red (78%)
- Green (71%)
- Blue (44%)



- Red (53%)
- Yellow (78%)
- Blue (44%)



- Cyan (0%)
- Magenta (9%)
- Yellow (43%)
- Black (22%)



- Cyan (22%)
- Magenta (29%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7932, 46.2458, 22.2937 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 42.7932, 46.2458, 22.2937 by changing the saturation by 10% instead.

■ 42.7932, 46.2458,
22.2937

■ 42.7932, 46.2458,
22.2937

348.6966,
371.7960, 277.0796

■ 29.9167, 32.4398,
13.8725

■ 78.6564, 84.5867,
48.1393

■ 19.9231, 21.6977,
7.8943

■ 102.3737,
109.8905, 66.4009

■ 12.4471, 13.6349,
3.9406

■ 130.4354,
139.7956, 88.7795

■ 7.1233, 7.8672,
1.5928

■ 163.2069,
174.6866, 115.6940

■ 3.5864, 4.0101,
0.2857

201.0533,
214.9477, 147.5626

■ 1.4709, 1.6792,
0.0000

244.3402,

■ 0.3059, 0.4101,

260.9633, 184.8041

0.0000

293.4328,
313.1180, 227.8369

■ 0.0000, 0.0000,
0.0000

■ 42.7932, 46.2458,
22.2937

■ 42.7932, 46.2458,
22.2937

■ 41.0047, 44.2623,
16.7852

■ 44.8501, 48.3766,
29.0924

■ 39.4650, 42.4129,
12.4800

■ 47.1866, 50.6545,
37.2553

■ 38.1571, 40.6923,
9.2845


■ 49.8175, 53.0874,
46.8537


■ 37.0604, 39.0918,
7.0906


■ 52.7555, 55.6806,
57.9535


■ 36.1497, 37.6011,
5.7680


■ 56.0124, 58.4391,
70.6164

 35.5858, 36.6002,
5.1890

 59.5995, 61.3677,
84.9004

 63.5273, 64.4709,
100.8609

 65.0514, 66.6512,
104.0441

 66.0574, 68.6632,
104.3795

Harmonies

Analogous

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



49.4247, 46.2458, 24.1645



42.7932, 46.2458, 22.2937



37.0628, 46.2458, 26.2817

Triad

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



42.7932, 46.2458, 22.2937



34.4576, 46.2458, 74.2420



56.4287, 46.2458, 66.9600

Complementary

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



42.7932, 46.2458, 22.2937



24.9855, 23.5524, 56.6551

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.



51.6532, 46.2458, 85.8972



42.7932, 46.2458, 22.2937



38.9050, 46.2458, 90.7807

Square

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



42.7932, 46.2458, 22.2937



32.5660, 46.2458, 53.7868



45.1381, 46.2458, 95.5034



57.7314, 46.2458, 47.0701

Rectangle

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



42.7932, 46.2458, 22.2937



34.3849, 46.2458, 32.4939



45.1381, 46.2458, 95.5034



55.1546, 46.2458, 73.7894

Sweetspot

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



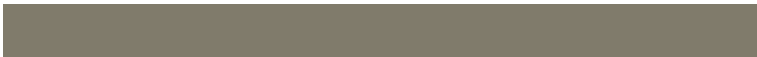
42.7943, 46.2479, 22.2947



88.0866, 93.8897, 82.4817



33.2234, 25.4282, 24.2767



18.6215, 19.8848, 16.7942



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.



42.7943, 46.2479, 22.2947



72.6555, 78.4308, 29.8519



40.2981, 50.4077, 23.2291



11.3368, 12.0428, 11.2897



23.2039, 23.9250, 3.3950



1.1458, 1.2271, 0.1765

Inverse Universe

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



24.9855, 23.5524, 56.6551



36.8663, 32.8539, 99.0061



26.6628, 21.3341, 56.1385



10.2256, 10.6252, 13.4294



7.1624, 3.7188, 35.0847



0.3913, 0.2805, 1.6787

Previews

White Background



This preview shows how the XYZ color 42.7932, 46.2458, 22.2937 looks on a white background.

Color Contrast Check

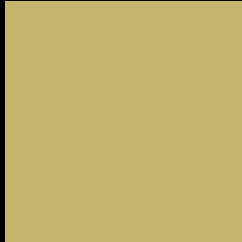
Large Text (above 18pt) WCAG AA × Fail

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 42.7932, 46.2458, 22.2937 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 42.7932, 46.2458, 22.2937

Background



This preview shows how black text looks on a background with the XYZ color 42.7932, 46.2458, 22.2937.



This preview shows how white text looks on a background with the XYZ color 42.7932, 46.2458,

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

42.7932, 46.2458, 22.2937

Protanopia

42.7932, 46.2458, 22.2937

Deuteranopia

47.2515, 46.1850, 22.6438



Tritanopia

49.0690, 46.1720, 52.7802

Trichromacy



Original Color

42.7932, 46.2458, 22.2937

Protanomaly

42.7932, 46.2458, 22.2937

Deuteranomaly

45.4266, 46.1145, 22.4263

Tritanomaly

46.2166, 45.8597, 39.2168

Monochromacy



Original Color

42.7932, 46.2458, 22.2937

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.9604, 44.8876, 37.0245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7932, 46.2458, 22.2937 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(198, 181, 113)` looks like.

```
.text, #text, p{  
    color:rgb(198, 181, 113)  
}
```

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(198, 181, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 181, 113) }
```

Border

The CSS property to change the border of an element to XYZ 42.7932, 46.2458, 22.2937 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(198, 181, 113) }
```


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

```
.border{ border-color:rgb(198, 181, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 181, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 181, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 181, 113);  
box-shadow:4px 4px 4px 4px rgb(198, 181,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7932, 46.2458, 22.2937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 181, 113) }
```

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

```
.background{ background-color: rgb(198,  
181, 113) }
```

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