

Converting Colors

XYZ(41.7588, 46.8091, 11.2511)

Have a look what the booklet for
XYZ(41.7588, 46.8091, 11.2511)
contains.

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Color

**XYZ(41.8022, 46.8973,
11.2637)**

Conversions

Conversions Part 1

Format	Color
Hex	C8B83D
RGB	200, 184, 61
RGB Percent	78%, 72%, 24%
CMY	0.2157, 0.2784, 0.7608
CMYK	0.00, 0.08, 0.69, 0.22
HSL	53°, 56%, 51%
HSV	53°, 69%, 78%
XYZ	41.8022, 46.8973, 11.2637
YIQ	174.7620, 49.0190, -34.8610

Conversions

Conversions Part 2

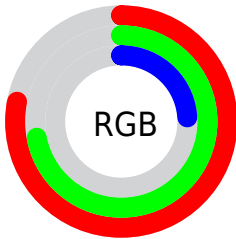
Format	Color
RYB	79, 200, 61
Decimal	13154365
CIELab	74.12, -8.23, 61.50
CIELCh	74, 62.047, 97.619
Yxy	46.8973, 0.4182, 0.4691
Android (android.graphics.Color)	4291344445 (0xFFC8B83D)
YUV	174.7620, -56.0847, 22.1337
Hunter-Lab	68.4816, -10.8837, 38.1852

Details

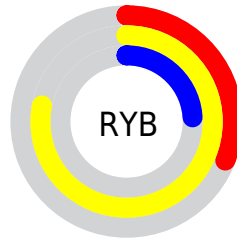
The XYZ color **41.8022, 46.8973, 11.2637** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted orange. A complement of this color would be **15.0036, 10.4697, 55.8732**, and the grayscale version is **40.8887, 43.0181, 46.8467**.

A 20% lighter version of the original color is **75.4946, 84.8180, 28.6122**, and **19.2716, 21.9834, 3.2275** is the 20% darker color. If you saturate the color by 10%, you get **40.8870, 45.7743, 8.7785**, and if you desaturate by 10%, it is **42.9282, 48.1207, 14.8110**.

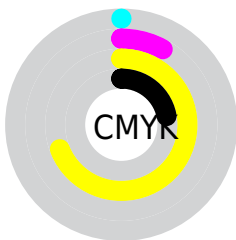
Distribution



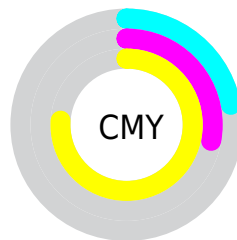
- Red (78%)
- Green (72%)
- Blue (24%)



- Red (31%)
- Yellow (78%)
- Blue (24%)



- Cyan (0%)
- Magenta (8%)
- Yellow (69%)
- Black (22%)



- Cyan (22%)
- Magenta (28%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8022, 46.8973, 11.2637 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 41.8022, 46.8973, 11.2637 by changing the saturation by 10% instead.

41.8022, 46.8973,
11.2637

41.8022, 46.8973,
11.2637

344.6679,
374.4044, 210.2698

29.1369, 32.9545,
6.1281

77.1672, 85.5603,
28.7908

19.3292, 22.0916,
2.8531

100.5976,
111.0493, 42.0195

12.0138, 13.9242,
1.0201

128.3471,
141.1557, 58.7828

6.8253, 8.0680,
0.0000

160.7810,
176.2641, 79.4995

3.3985, 4.1385,
0.0000

198.2647,
216.7588, 104.5880

1.3678, 1.7513,
0.0000

241.1635,

0.2331, 0.4566,

263.0241, 134.4668

0.0000

289.8428,
315.4445, 169.5546

■ 0.0000, 0.0000,
0.0000

■ 41.8022, 46.8973,
11.2637

■ 41.8022, 46.8973,
11.2637

■ 40.8870, 45.7743,
8.7785

■ 42.9282, 48.1207,
14.8110

■ 40.1556, 44.7354,
7.2280

■ 44.2818, 49.4458,
19.5229

■ 39.5669, 43.7659,
6.3911

■ 45.8817, 50.8820,
25.4933

■ 39.5386, 43.7180,
6.3545

■ 47.7438, 52.4357,
32.8054

■ 49.8826, 54.1127,
41.5355

■ 52.3115, 55.9186,
51.7541

■ 55.0431, 57.8582,
63.5270

■ 58.0891, 59.9365,
76.9161

■ 61.4607, 62.1579,
91.9799

Harmonies

Analogous

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



53.2118, 46.8973, 12.8150



41.8022, 46.8973, 11.2637



32.7667, 46.8973, 16.3202

Triad

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



41.8022, 46.8973, 11.2637



29.7065, 46.8973, 98.2423



67.3849, 46.8973, 78.0755

Complementary

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



41.8022, 46.8973, 11.2637



15.0036, 10.4697, 55.8732

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.



58.9245, 46.8973, 116.4561



41.8022, 46.8973, 11.2637



36.9263, 46.8973, 131.0806

Square

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



41.8022, 46.8973, 11.2637



26.5788, 46.8973, 59.6103



47.4667, 46.8973, 138.8558



69.2732, 46.8973, 43.3748

Rectangle

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



41.8022, 46.8973, 11.2637



28.8605, 46.8973, 24.8098



47.4667, 46.8973, 138.8558



65.1546, 46.8973, 91.3279

Sweetspot

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



41.8033, 46.8995, 11.2646



85.6613, 93.1496, 69.0011



26.8355, 16.1561, 8.7660



18.1078, 19.7614, 13.8360



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.



41.8033, 46.8995, 11.2646



70.1595, 78.3909, 13.7525



33.4786, 47.8222, 11.8815



11.4157, 12.2005, 11.3160



25.1824, 27.8820, 4.0545



1.2227, 1.3809, 0.2021

Inverse Universe

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



15.0036, 10.4697, 55.8732



21.1103, 11.8397, 95.7804



19.0708, 11.1046, 55.7814



10.1533, 10.4808, 13.4053



6.8579, 3.1098, 34.9832



0.3585, 0.2147, 1.6677

Previews

White Background



This preview shows how the XYZ color 41.8022, 46.8973, 11.2637 looks on a white background.

Color Contrast Check

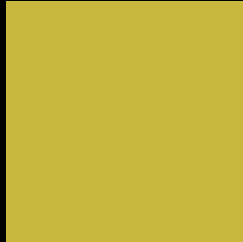
Large Text (above 18pt) WCAG AA × Fail

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 41.8022, 46.8973, 11.2637 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 41.8022, 46.8973, 11.2637

Background



This preview shows how black text looks on a background with the XYZ color 41.8022, 46.8973, 11.2637.

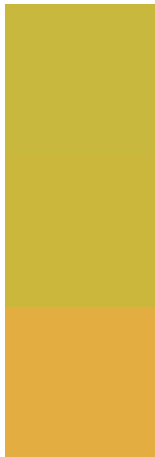


This preview shows how white text looks on a background with the XYZ color 41.8022, 46.8973,

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

41.8022, 46.8973, 11.2637

Protanopia

42.6776, 47.0413, 11.2454

Deuteranopia

47.8926, 46.7628, 11.5029



Tritanopia

50.0878, 46.7095, 52.2749

Trichromacy



Original Color

41.8022, 46.8973, 11.2637

Protanomaly

42.4044, 46.9004, 11.2326

Deuteranomaly

45.5610, 46.7199, 11.4670

Tritanomaly

45.7126, 46.0659, 31.2932

Monochromacy



Original Color

41.8022, 46.8973, 11.2637

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.9906, 43.7524, 28.8916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8022, 46.8973, 11.2637 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(200, 184, 61)` looks like.

```
.text, #text, p{  
    color:rgb(200, 184, 61)  
}
```

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(200, 184, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 184, 61) }
```

Border

The CSS property to change the border of an element to XYZ 41.8022, 46.8973, 11.2637 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(200, 184, 61) }
```


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

```
.border{ border-color:rgb(200, 184, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 184, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 184, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 184, 61);  
box-shadow:4px 4px 4px 4px rgb(200, 184,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8022, 46.8973, 11.2637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 184, 61) }
```

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

```
.background{ background-color: rgb(200,  
184, 61) }
```

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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