

Converting Colors

XYZ(40.2302, 40.7495, 13.6245)

Have a look what the booklet for
XYZ(40.2302, 40.7495, 13.6245)
contains.

XYZ(40.2983, 40.8457, 13.5446)	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(40.2983, 40.8457,
13.5446)**

Conversions

Conversions Part 1

Format	Color
Hex	CDA651
RGB	205, 166, 81
RGB Percent	80%, 65%, 32%
CMY	0.1961, 0.3490, 0.6823
CMYK	0.00, 0.19, 0.60, 0.20
HSL	41°, 55%, 56%
HSV	41°, 60%, 80%
XYZ	40.2983, 40.8457, 13.5446
YIQ	167.9710, 50.5290, -18.1670

Conversions

Conversions Part 2

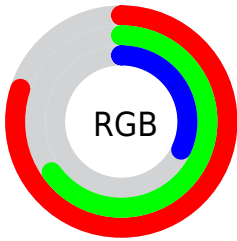
Format	Color
RYB	138, 205, 81
Decimal	13477457
CIELab	70.07, 4.64, 48.55
CIElCh	70, 48.775, 84.539
Yxy	40.8457, 0.4256, 0.4314
Android (android.graphics.Color)	4291667537 (0xFFCDA651)
YUV	167.9710, -42.8767, 32.4744
Hunter-Lab	63.9106, 0.7080, 32.1721

Details

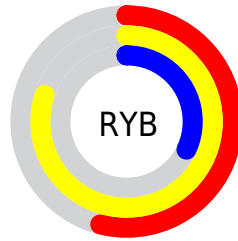
The XYZ color **40.2983, 40.8457, 13.5446** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **21.1290, 19.5892, 60.4249**, and the grayscale version is **37.3926, 39.3400, 42.8412**.

A 20% lighter version of the original color is **71.3301, 74.6664, 32.8428**, and **18.4644, 18.4243, 3.8114** is the 20% darker color. If you saturate the color by 10%, you get **38.5002, 38.2996, 9.7083**, and if you desaturate by 10%, it is **42.3892, 43.6061, 18.6240**.

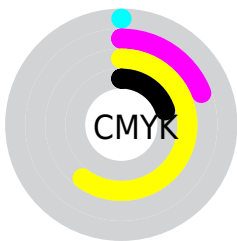
Distribution



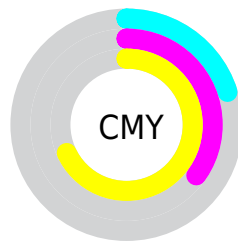
- Red (80%)
- Green (65%)
- Blue (32%)



- Red (54%)
- Yellow (80%)
- Blue (32%)



- Cyan (0%)
- Magenta (19%)
- Yellow (60%)
- Black (20%)



- Cyan (20%)
- Magenta (35%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2983, 40.8457, 13.5446 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 40.2983, 40.8457, 13.5446 by changing the saturation by 10% instead.

40.2983, 40.8457,
13.5446

40.2983, 40.8457,
13.5446

338.4922,
349.6753, 225.7081

27.9564, 28.1985,
7.6695

74.8990, 76.4496,
32.9842

18.4331, 18.4754,
3.7995

97.8885, 100.1751,
47.3858

11.3630, 11.2918,
1.5160

125.1580,
128.3623, 65.4666

6.3806, 6.2635,
0.2298

157.0728,
161.3953, 87.6452

3.1207, 3.0059,
0.0000

193.9983,
199.6588, 114.3401

1.2179, 1.1348,
0.0000

236.2998,

0.1204, 0.0075,

243.5370, 145.9698

0.0000

284.3426,
293.4144, 182.9530

■ 0.0000, 0.0000,
0.0000

■ 40.2983, 40.8457,
13.5446

■ 40.2983, 40.8457,
13.5446

■ 38.5002, 38.2996,
9.7083

■ 42.3892, 43.6061,
18.6240

■ 36.9694, 35.9515,
6.9985

■ 44.7896, 46.5840,
25.0440

■ 35.6804, 33.7914,
5.2807

■ 47.5184, 49.7900,
32.8952

■ 34.6328, 31.8912,
4.3303

■ 50.5919, 53.2317,
42.2596

■ 54.0252, 56.9165,
53.2128

■ 57.8323, 60.8513,
65.8254

■ 62.0267, 65.0427,
80.1638

■ 66.6209, 69.4967,
96.2907

■ 69.8894, 73.5244,
105.1158

Harmonies

Analogous

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



48.4012, 40.8457, 17.4637



40.2983, 40.8457, 13.5446



32.8040, 40.8457, 15.3198

Triad

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



40.2983, 40.8457, 13.5446



26.4925, 40.8457, 65.2866



52.6783, 40.8457, 75.0765

Complementary

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



40.2983, 40.8457, 13.5446



21.1290, 19.5892, 60.4249

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.



45.5357, 40.8457, 97.4850



40.2983, 40.8457, 13.5446



30.5992, 40.8457, 90.6103

Square

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



40.2983, 40.8457, 13.5446



25.4873, 40.8457, 40.4294



37.3834, 40.8457, 103.9716



56.1479, 40.8457, 48.7798

Rectangle

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



40.2983, 40.8457, 13.5446



29.0424, 40.8457, 19.9669



37.3834, 40.8457, 103.9716



50.5837, 40.8457, 83.6279

Sweetspot

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



40.2993, 40.8477, 13.5454



84.0879, 88.5221, 73.0411



31.5258, 20.2269, 20.0973



17.6595, 18.5774, 14.5725



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.



40.2993, 40.8477, 13.5454



62.1535, 61.3757, 14.1767



42.6710, 54.2342, 16.0043



11.8447, 12.4784, 11.8637



21.6487, 20.0304, 2.7252



1.1829, 1.1655, 0.1626

Inverse Universe

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



21.1290, 19.5892, 60.4249



28.1334, 23.7593, 97.7110



19.6402, 13.2202, 59.2740



10.8848, 11.4101, 14.1991



8.0936, 5.2111, 36.5355



0.4857, 0.4052, 1.9076

Previews

White Background



This preview shows how the XYZ color 40.2983, 40.8457, 13.5446 looks on a white background.

Color Contrast Check

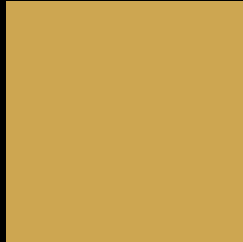
Large Text (above 18pt) WCAG AA × Fail

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 40.2983, 40.8457, 13.5446 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 40.2983, 40.8457, 13.5446

Background



This preview shows how black text looks on a background with the XYZ color 40.2983, 40.8457, 13.5446.



This preview shows how white text looks on a background with the XYZ color 40.2983, 40.8457,

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

40.2983, 40.8457, 13.5446

Protanopia

37.5491, 41.0767, 14.1332

Deuteranopia

41.7716, 40.8006, 13.6564



Tritanopia

46.1077, 40.6011, 42.4524

Trichromacy



Original Color

40.2983, 40.8457, 13.5446

Protanomaly

38.4034, 40.9607, 13.8648

Deuteranomaly

41.0929, 40.7154, 13.6757

Tritanomaly

43.3092, 40.4745, 28.8223

Monochromacy



Original Color

40.2983, 40.8457, 13.5446

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.3187, 39.2388, 28.8995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2983, 40.8457, 13.5446 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(205, 166, 81)` looks like.

```
.text, #text, p{  
    color:rgb(205, 166, 81)  
}
```

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(205, 166, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 166, 81) }
```

Border

The CSS property to change the border of an element to XYZ 40.2983, 40.8457, 13.5446 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(205, 166, 81) }
```


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

```
.border{ border-color:rgb(205, 166, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 166, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 166, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 166, 81);  
box-shadow:4px 4px 4px 4px rgb(205, 166,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2983, 40.8457, 13.5446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 166, 81) }
```

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

```
.background{ background-color: rgb(205,  
166, 81) }
```

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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