

Converting Colors

XYZ(40.6858, 43.4114, 12.3909)

Have a look what the booklet for
XYZ(40.6858, 43.4114, 12.3909)
contains.

XYZ(40.6629, 43.2965, 12.3448)	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(40.6629, 43.2965,
12.3448)**

Conversions

Conversions Part 1

Format	Color
Hex	CAAE48
RGB	202, 174, 72
RGB Percent	79%, 68%, 28%
CMY	0.2078, 0.3176, 0.7176
CMYK	0.00, 0.14, 0.64, 0.21
HSL	47°, 55%, 54%
HSV	47°, 64%, 79%
XYZ	40.6629, 43.2965, 12.3448
YIQ	170.7440, 49.4300, -25.7860

Conversions

Conversions Part 2

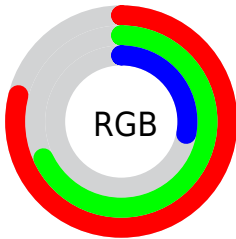
Format	Color
RYB	108, 202, 72
Decimal	13282888
CIELab	71.76, -1.50, 54.50
CIELCh	72, 54.525, 91.581
Yxy	43.2965, 0.4222, 0.4496
Android (android.graphics.Color)	4291472968 (0xFFCAAEE48)
YUV	170.7440, -48.6808, 27.4115
Hunter-Lab	65.8001, -4.8413, 34.9366

Details

The XYZ color **40.6629, 43.2965, 12.3448** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **17.8903, 14.7560, 57.7822**, and the grayscale version is **38.8003, 40.8209, 44.4540**.

A 20% lighter version of the original color is **72.9610, 78.7793, 30.7625**, and **18.7159, 19.9705, 3.2837** is the 20% darker color. If you saturate the color by 10%, you get **39.2826, 41.4230, 9.1506**, and if you desaturate by 10%, it is **42.2889, 45.3151, 16.6897**.

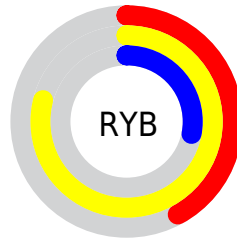
Distribution



Red (79%)

Green (68%)

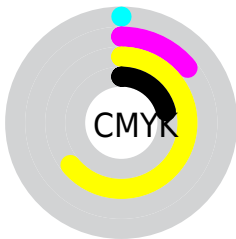
Blue (28%)



Red (42%)

Yellow (79%)

Blue (28%)

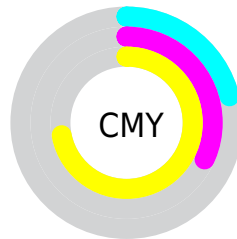


Cyan (0%)

Magenta (14%)

Yellow (64%)

Black (21%)



Cyan (21%)

Magenta (32%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6629, 43.2965, 12.3448 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 40.6629, 43.2965, 12.3448 by changing the saturation by 10% instead.

■ 40.6629, 43.2965,
12.3448

■ 40.6629, 43.2965,
12.3448

339.9964,
359.8297, 217.7331

■ 28.2423, 30.1178,
6.8536

■ 75.4498, 80.1581,
30.7953

■ 18.6498, 19.9280,
3.2936

■ 98.5469, 104.6098,
44.5916

■ 11.5200, 12.3427,
1.2465

■ 125.9334,
133.5880, 61.9934

■ 6.4876, 6.9776,
0.0173

■ 157.9749,
167.4770, 83.4192

■ 3.1872, 3.4481,
0.0000

■ 195.0365,
206.6613, 109.2875

■ 1.2535, 1.3699,
0.0000

237.4838,

■ 0.1480, 0.1944,

251.5253, 140.0169

0.0000

285.6820,
302.4533, 176.0259

■ 0.0000, 0.0000,
0.0000

■ 40.6629, 43.2965,
12.3448

■ 40.6629, 43.2965,
12.3448

■ 39.2826, 41.4230,
9.1506

■ 42.2889, 45.3151,
16.6897

■ 38.1226, 39.6792,
6.9880

■ 44.1769, 47.4809,
22.2835

■ 37.1569, 38.0557,
5.7161

■ 46.3454, 49.8031,
29.2171

■ 36.6693, 37.1810,
5.2440

■ 48.8099, 52.2886,
37.5719

■ 51.5849, 54.9433,
47.4230

■ 54.6840, 57.7732,
58.8400

■ 58.1198, 60.7836,
71.8884

■ 61.9041, 63.9797,
86.6297

■ 66.0482, 67.3664,
103.1224

Harmonies

Analogous

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



50.2155, 43.2965, 15.0241



40.6629, 43.2965, 12.3448



32.5181, 43.2965, 15.6899

Triad

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



40.6629, 43.2965, 12.3448



27.7772, 43.2965, 79.1880



58.8714, 43.2965, 75.7955

Complementary

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



40.6629, 43.2965, 12.3448



17.8903, 14.7560, 57.7822

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.



51.1931, 43.2965, 105.2534



40.6629, 43.2965, 12.3448



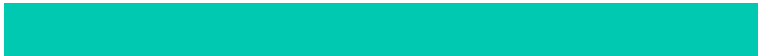
33.2505, 43.2965, 107.6742

Square

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



40.6629, 43.2965, 12.3448



25.8031, 43.2965, 48.5630



41.6451, 43.2965, 118.6452



61.6274, 43.2965, 45.7501

Rectangle

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



40.6629, 43.2965, 12.3448



28.7246, 43.2965, 22.0348



41.6451, 43.2965, 118.6452



56.7288, 43.2965, 86.4344

Sweetspot

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



40.6639, 43.2986, 12.3457



84.9689, 90.7858, 71.7885



28.9831, 18.1150, 14.0685



17.8998, 19.1554, 14.3526



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.



40.6639, 43.2986, 12.3457



65.7434, 69.0181, 13.9470



37.8421, 50.7261, 13.9281



11.9409, 12.6707, 11.8958



23.6636, 24.0602, 3.3969



1.2732, 1.3460, 0.1927

Inverse Universe

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



17.8903, 14.7560, 57.7822



24.4802, 17.4336, 96.6825



19.2647, 12.1402, 57.2049



10.7943, 11.2291, 14.1689



7.4817, 3.9873, 36.3316



0.4433, 0.3204, 1.8934

Previews

White Background



This preview shows how the XYZ color 40.6629, 43.2965, 12.3448 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 40.6629, 43.2965, 12.3448 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 40.6629, 43.2965, 12.3448

Background



This preview shows how black text looks on a background with the XYZ color 40.6629, 43.2965, 12.3448.

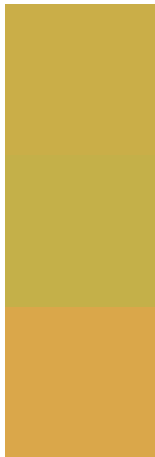


This preview shows how white text looks on a background with the XYZ color 40.6629, 43.2965,

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

40.6629, 43.2965, 12.3448

Protanopia

39.4929, 43.2675, 12.5733

Deuteranopia

43.9682, 43.0373, 12.4682



Tritanopia

47.7976, 43.1779, 46.8892

Trichromacy



Original Color

40.6629, 43.2965, 12.3448

Protanomaly

39.8213, 43.1468, 12.5327

Deuteranomaly

42.7287, 43.2275, 12.3950

Tritanomaly

44.4186, 42.8823, 29.9808

Monochromacy



Original Color

40.6629, 43.2965, 12.3448

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.4171, 41.1994, 28.8492

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6629, 43.2965, 12.3448 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(202, 174, 72)` looks like.

```
.text, #text, p{  
    color:rgb(202, 174, 72)  
}
```

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(202, 174, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 174, 72) }
```

Border

The CSS property to change the border of an element to XYZ 40.6629, 43.2965, 12.3448 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(202, 174, 72) }
```


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

```
.border{ border-color:rgb(202, 174, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 174, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 174, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 174, 72);  
box-shadow:4px 4px 4px 4px rgb(202, 174,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6629, 43.2965, 12.3448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 174, 72) }
```

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

```
.background{ background-color: rgb(202,  
174, 72) }
```

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