

Converting Colors

XYZ(40.7265, 43.1300, 10.6235)

Have a look what the booklet for
XYZ(40.7265, 43.1300, 10.6235)
contains.

XYZ(40.6877, 43.0614, 10.5821)	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(40.6877, 43.0614,
10.5821)**

Conversions

Conversions Part 1

Format	Color
Hex	CCAD3D
RGB	204, 173, 61
RGB Percent	80%, 68%, 24%
CMY	0.2000, 0.3215, 0.7608
CMYK	0.00, 0.15, 0.70, 0.20
HSL	47°, 58%, 52%
HSV	47°, 70%, 80%
XYZ	40.6877, 43.0614, 10.5821
YIQ	169.5010, 54.4280, -28.2600

Conversions

Conversions Part 2

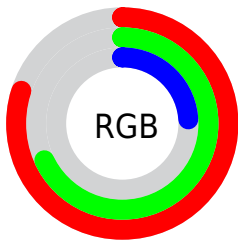
Format	Color
RYB	101, 204, 61
Decimal	13413693
CIELab	71.60, -0.74, 59.08
CIELCh	72, 59.080, 90.720
Yxy	43.0614, 0.4313, 0.4565
Android (android.graphics.Color)	4291603773 (0xFFCCAD3D)
YUV	169.5010, -53.4910, 30.2556
Hunter-Lab	65.6212, -4.1601, 36.3737

Details

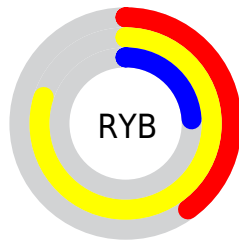
The XYZ color **40.6877, 43.0614, 10.5821** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **16.6507, 13.0057, 58.7591**, and the grayscale version is **38.1997, 40.1891, 43.7659**.

A 20% lighter version of the original color is **72.0779, 77.9846, 27.4733**, and **18.6914, 19.7857, 2.8339** is the 20% darker color. If you saturate the color by 10%, you get **39.4057, 41.2159, 7.9403**, and if you desaturate by 10%, it is **42.2087, 45.0507, 14.3352**.

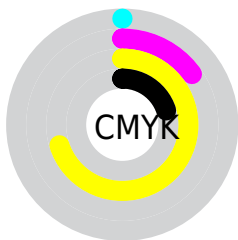
Distribution



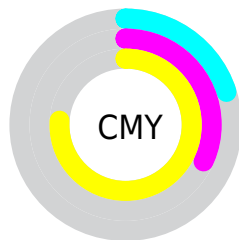
- Red (80%)
- Green (68%)
- Blue (24%)



- Red (40%)
- Yellow (80%)
- Blue (24%)



- Cyan (0%)
- Magenta (15%)
- Yellow (70%)
- Black (20%)



- Cyan (20%)
- Magenta (32%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6877, 43.0614, 10.5821 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 40.6877, 43.0614, 10.5821 by changing the saturation by 10% instead.

■ 40.6877, 43.0614,
10.5821

■ 40.6877, 43.0614,
10.5821

340.0986,
358.8642, 205.4111

■ 28.2617, 29.9333,
5.6760

■ 75.4873, 79.8035,
27.5095

■ 18.6645, 19.7880,
2.5835

■ 98.5916, 104.1863,
40.3679

■ 11.5307, 12.2410,
0.8839

■ 125.9861,
133.0894, 56.7140

■ 6.4949, 6.9080,
0.0000

■ 158.0362,
166.8973, 76.9666

■ 3.1918, 3.4047,
0.0000

■ 195.1071,
205.9943, 101.5440

■ 1.2560, 1.3465,
0.0000

237.5642,

■ 0.1499, 0.1768,

250.7649, 130.8648

0.0000

285.7729,
301.5934, 165.3477

■ 0.0000, 0.0000,
0.0000

■ 40.6877, 43.0614,
10.5821

■ 40.6877, 43.0614,
10.5821

■ 39.4057, 41.2159,
7.9403

■ 42.2087, 45.0507,
14.3352

■ 38.3343, 39.4975,
6.2747

■ 43.9872, 47.1867,
19.3089

■ 37.4349, 37.9037,
5.3431

■ 46.0431, 49.4793,
25.6023

■ 48.3933, 51.9359,
33.3034

■ 51.0534, 54.5629,
42.4928

■ 54.0378, 57.3666,
53.2449

■ 57.3598, 60.3527,
65.6292

■ 61.0321, 63.5267,
79.7107

■ 65.0666, 66.8937,
95.5513

Harmonies

Analogous

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



51.0626, 43.0614, 13.4060



40.6877, 43.0614, 10.5821



31.8776, 43.0614, 13.7082

Triad

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



40.6877, 43.0614, 10.5821



26.5340, 43.0614, 80.9860



60.0779, 43.0614, 79.2747

Complementary

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



40.6877, 43.0614, 10.5821



16.6507, 13.0057, 58.7591

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.



51.5486, 43.0614, 111.8799



40.6877, 43.0614, 10.5821



32.2327, 43.0614, 113.1187

Square

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



40.6877, 43.0614, 10.5821



24.5664, 43.0614, 47.5811



41.1704, 43.0614, 126.2331



63.3024, 43.0614, 46.1987

Rectangle

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



40.6877, 43.0614, 10.5821



27.7853, 43.0614, 19.9656



41.1704, 43.0614, 126.2331



57.6743, 43.0614, 91.0629

Sweetspot

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



40.6887, 43.0635, 10.5830



84.0040, 89.8350, 68.4487



28.6076, 16.9900, 12.4484



17.7089, 18.9637, 13.7030



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.



40.6887, 43.0635, 10.5830



64.3325, 66.8102, 11.5845



38.1332, 51.6151, 12.3683



11.9395, 12.6679, 11.8953



23.6328, 23.9985, 3.3866



1.2718, 1.3433, 0.1923

Inverse Universe

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



16.6507, 13.0057, 58.7591



22.3831, 14.5406, 96.2346



17.7284, 10.3578, 58.1912



10.7956, 11.2317, 14.1693



7.4887, 4.0013, 36.3339



0.4439, 0.3215, 1.8936

Previews

White Background



This preview shows how the XYZ color 40.6877, 43.0614, 10.5821 looks on a white background.

Color Contrast Check

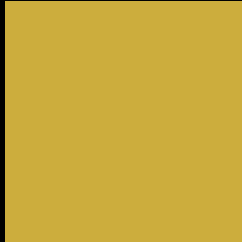
Large Text (above 18pt) WCAG AA × Fail

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 40.6877, 43.0614, 10.5821 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 40.6877, 43.0614, 10.5821

Background



This preview shows how black text looks on a background with the XYZ color 40.6877, 43.0614, 10.5821.



This preview shows how white text looks on a background with the XYZ color 40.6877, 43.0614,

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

40.6877, 43.0614, 10.5821

Protanopia

39.1598, 43.1342, 10.8192

Deuteranopia

43.9293, 43.0564, 10.6980



Tritanopia

48.0009, 43.0428, 45.8226

Trichromacy



Original Color

40.6877, 43.0614, 10.5821

Protanomaly

39.7527, 43.1499, 10.7910

Deuteranomaly

42.7890, 43.0199, 10.6059

Tritanomaly

44.4482, 42.6675, 28.0833

Monochromacy



Original Color

40.6877, 43.0614, 10.5821

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.8836, 40.6826, 26.9749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6877, 43.0614, 10.5821 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(204, 173, 61)` looks like.

```
.text, #text, p{  
    color:rgb(204, 173, 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(204, 173, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 173, 61) }
```

Border

The CSS property to change the border of an element to XYZ 40.6877, 43.0614, 10.5821 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(204, 173, 61) }
```


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

```
.border{ border-color:rgb(204, 173, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 173, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 173, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 173, 61);  
box-shadow:4px 4px 4px 4px rgb(204, 173,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6877, 43.0614, 10.5821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 173, 61) }
```

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

```
.background{ background-color: rgb(204,  
173, 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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