

Converting Colors

XYZ(40.5470, 47.4245, 10.4855)

Have a look what the booklet for
XYZ(40.5470, 47.4245, 10.4855)
contains.

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Color

**XYZ(40.6414, 47.5702,
10.5300)**

Conversions

Conversions Part 1

Format	Color
Hex	C1BC36
RGB	193, 188, 54
RGB Percent	76%, 74%, 21%
CMY	0.2431, 0.2627, 0.7882
CMYK	0.00, 0.03, 0.72, 0.24
HSL	58°, 56%, 48%
HSV	58°, 72%, 76%
XYZ	40.6414, 47.5702, 10.5300
YIQ	174.2190, 45.9940, -40.6140

Conversions

Conversions Part 2

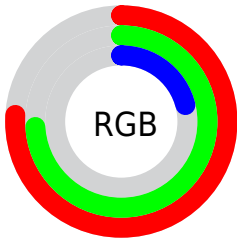
Format	Color
RYB	59, 193, 54
Decimal	12696630
CIELab	74.55, -13.63, 64.32
CIELCh	75, 65.752, 101.962
Yxy	47.5702, 0.4116, 0.4818
Android (android.graphics.Color)	4290886710 (0xFFC1BC36)
YUV	174.2190, -59.2680, 16.4709
Hunter-Lab	68.9712, -15.5180, 39.2279

Details

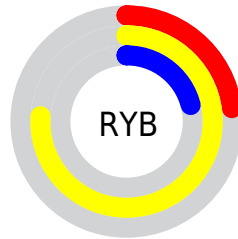
The XYZ color **40.6414, 47.5702, 10.5300** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted orange. A complement of this color would be **12.7111, 7.7625, 51.2802**, and the grayscale version is **40.6248, 42.7404, 46.5443**.

A 20% lighter version of the original color is **75.3100, 86.5226, 27.4831**, and **18.8173, 22.5622, 3.3632** is the 20% darker color. If you saturate the color by 10%, you get **40.1277, 47.1300, 8.5493**, and if you desaturate by 10%, it is **41.3378, 48.0882, 13.4597**.

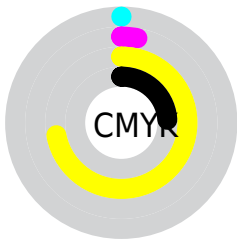
Distribution



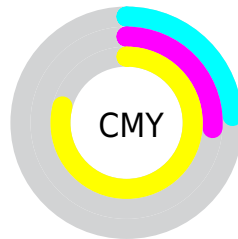
- Red (76%)
- Green (74%)
- Blue (21%)



- Red (23%)
- Yellow (76%)
- Blue (21%)



- Cyan (0%)
- Magenta (3%)
- Yellow (72%)
- Black (24%)



- Cyan (24%)
- Magenta (26%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6414, 47.5702, 10.5300 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 40.6414, 47.5702, 10.5300 by changing the saturation by 10% instead.

■ 40.6414, 47.5702,
10.5300

■ 40.6414, 47.5702,
10.5300

339.9079,
377.0860, 205.0344

■ 28.2254, 33.4866,
5.6416

■ 75.4174, 86.5641,
27.4110

■ 18.6370, 22.4995,
2.5632

■ 98.5081, 112.2433,
40.2406

■ 11.5107, 14.2244,
0.8733

■ 125.8878,
142.5565, 56.5544

■ 6.4813, 8.2769,
0.0000

■ 157.9217,
177.8880, 76.7708

■ 3.1833, 4.2726,
0.0000

■ 194.9754,
218.6223, 101.3085

■ 1.2514, 1.8272,
0.0000

237.4140,

■ 0.1464, 0.5040,

265.1438, 130.5860

0.0000

285.6031,
317.8369, 165.0217

■ 0.0000, 0.0000,
0.0000

■ 40.6414, 47.5702,
10.5300

■ 40.6414, 47.5702,
10.5300

■ 40.1277, 47.1300,
8.5493

■ 41.3378, 48.0882,
13.4597

■ 39.7708, 46.7519,
7.3951

■ 42.2326, 48.6849,
17.4357

■ 39.5647, 46.4824,
6.8867

■ 43.3435, 49.3691,
22.5463

■ 44.6855, 50.1470,
28.8698

■ 46.2720, 51.0238,
36.4776

■ 48.1156, 52.0046,
45.4354

■ 50.2278, 53.0939,
55.8047

■ 52.6197, 54.2963,
67.6428

■ 55.3015, 55.6159,
81.0043

Harmonies

Analogous

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



52.6648, 47.5702, 11.1629



40.6414, 47.5702, 10.5300



31.5919, 47.5702, 16.7829

Triad

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



40.6414, 47.5702, 10.5300



30.2626, 47.5702, 109.0304



70.6071, 47.5702, 74.8163

Complementary

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



40.6414, 47.5702, 10.5300



12.7111, 7.7625, 51.2802

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.



62.2781, 47.5702, 117.2857



40.6414, 47.5702, 10.5300



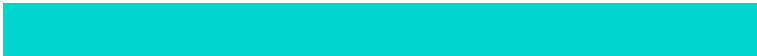
38.5014, 47.5702, 142.2640

Square

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



40.6414, 47.5702, 10.5300



26.3418, 47.5702, 66.5781



50.1174, 47.5702, 145.8138



71.4541, 47.5702, 39.3816

Rectangle

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



40.6414, 47.5702, 10.5300



27.8959, 47.5702, 26.7229



50.1174, 47.5702, 145.8138



68.5297, 47.5702, 89.0476

Sweetspot

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



40.6425, 47.5724, 10.5310



82.7742, 91.3305, 64.8494



24.1527, 14.3126, 5.8981



17.5827, 19.4979, 13.0684



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.6425, 47.5724, 10.5310



71.4967, 84.0369, 14.0415



29.0113, 43.1878, 10.2977



10.8814, 11.6942, 10.7456



26.3285, 30.9427, 4.5849



1.1474, 1.3566, 0.2014

Inverse Universe

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



12.7111, 7.7625, 51.2802



18.7856, 8.9596, 91.0995



18.2211, 10.2400, 51.4680



9.5567, 9.8047, 12.6736



6.4648, 2.6862, 33.7344



0.2895, 0.1365, 1.4610

Previews

White Background



This preview shows how the XYZ color 40.6414, 47.5702, 10.5300 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 40.6414, 47.5702, 10.5300 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 40.6414, 47.5702, 10.5300

Background



This preview shows how black text looks on a background with the XYZ color 40.6414, 47.5702, 10.5300.



This preview shows how white text looks on a background with the XYZ color 40.6414, 47.5702,

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

40.6414, 47.5702, 10.5300

Protanopia

43.2367, 47.6598, 10.2886

Deuteranopia

48.2386, 47.2459, 10.7146



Tritanopia

49.4171, 47.1714, 54.6445

Trichromacy



Original Color

40.6414, 47.5702, 10.5300

Protanomaly

42.0790, 47.3725, 10.2942

Deuteranomaly

45.1775, 47.1345, 10.5877

Tritanomaly

44.8743, 46.8153, 31.4821

Monochromacy



Original Color

40.6414, 47.5702, 10.5300

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

39.2054, 43.6757, 27.4830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6414, 47.5702, 10.5300 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(193, 188, 54)` looks like.

```
.text, #text, p{  
    color:rgb(193, 188, 54)  
}
```

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(193, 188, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 188, 54) }
```

Border

The CSS property to change the border of an element to XYZ 40.6414, 47.5702, 10.5300 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(193, 188, 54) }
```


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

```
.border{ border-color:rgb(193, 188, 54) }
```

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

Here you see how a box with a 4 pixel rgb(193, 188, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 188, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 188, 54);  
box-shadow:4px 4px 4px 4px rgb(193, 188,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6414, 47.5702, 10.5300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 188, 54) }
```

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

```
.background{ background-color: rgb(193,  
188, 54) }
```

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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