

Converting Colors

XYZ(41.5389, 45.0375, 20.4137)

Have a look what the booklet for
XYZ(41.5389, 45.0375, 20.4137)
contains.

XYZ(41.5389, 45.0375, 20.4137)	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(41.5389, 45.0375,
20.4137)**

Conversions

Conversions Part 1

Format	Color
Hex	C4B36B
RGB	196, 179, 107
RGB Percent	77%, 70%, 42%
CMY	0.2314, 0.2980, 0.5804
CMYK	0.00, 0.09, 0.45, 0.23
HSL	49°, 43%, 59%
HSV	49°, 45%, 77%
XYZ	41.5389, 45.0375, 20.4137
YIQ	175.8750, 33.2440, -18.7880

Conversions

Conversions Part 2

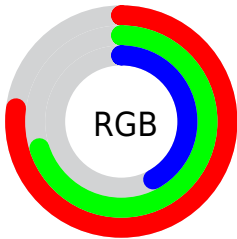
Format	Color
RYB	128, 196, 107
Decimal	12890987
CIELab	72.92, -3.82, 38.84
CIElCh	73, 39.024, 95.620
Yxy	45.0375, 0.3882, 0.4210
Android (android.graphics.Color)	4291081067 (0xFFC4B36B)
YUV	175.8750, -33.9554, 17.6496
Hunter-Lab	67.1100, -6.9568, 28.9420

Details

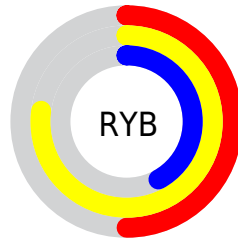
The XYZ color **41.5389, 45.0375, 20.4137** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **23.2347, 21.5260, 55.1548**, and the grayscale version is **41.3619, 43.5159, 47.3888**.

A 20% lighter version of the original color is **76.9265, 83.0256, 45.2288**, and **19.1431, 21.0496, 6.9249** is the 20% darker color. If you saturate the color by 10%, you get **39.8828, 43.1927, 15.3382**, and if you desaturate by 10%, it is **43.4513, 47.0208, 26.7288**.

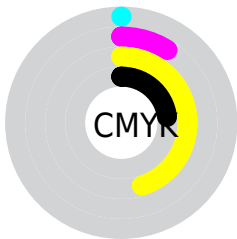
Distribution



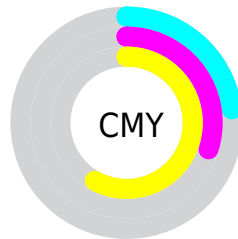
- Red (77%)
- Green (70%)
- Blue (42%)



- Red (50%)
- Yellow (77%)
- Blue (42%)



- Cyan (0%)
- Magenta (9%)
- Yellow (45%)
- Black (23%)



- Cyan (23%)
- Magenta (30%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5389, 45.0375, 20.4137 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 41.5389, 45.0375, 20.4137 by changing the saturation by 10% instead.

■ 41.5389, 45.0375,
20.4137

■ 41.5389, 45.0375,
20.4137

343.5922,
366.9254, 266.8239

■ 28.9299, 31.4870,
12.5091

■ 76.7708, 82.7767,
44.9778

■ 19.1718, 20.9699,
6.9646

■ 100.1245,
107.7341, 62.4743

■ 11.8993, 13.1020,
3.3619

■ 127.7905,
137.2626, 84.0051

■ 6.7468, 7.4988,
1.2823

■ 160.1341,
171.7467, 109.9889

■ 3.3492, 3.7760,
0.0472

197.5208,
211.5705, 140.8441

■ 1.3410, 1.5491,
0.0000

240.3157,

■ 0.2136, 0.3229,

257.1187, 176.9894

0.0000

288.8844,
308.7755, 218.8431

■ 0.0000, 0.0000,
0.0000

■ 41.5389, 45.0375,
20.4137

■ 41.5389, 45.0375,
20.4137

■ 39.8828, 43.1927,
15.3382

■ 43.4513, 47.0208,
26.7288

■ 38.4635, 41.4732,
11.4151

■ 45.6314, 49.1423,
34.3570

■ 37.2641, 39.8738,
8.5506

■ 48.0937, 51.4098,
43.3695

■ 36.2634, 38.3857,
6.6347

■ 50.8509, 53.8285,
53.8316

■ 35.4356, 36.9983,
5.5322

■ 53.9145, 56.4034,
65.8043

■ 35.0896, 36.3852,
5.1736

■ 57.2957, 59.1391,
79.3450

■ 61.0050, 62.0402,
94.5085

■ 63.6024, 64.5307,
103.7112

■ 64.5312, 66.3884,
104.0208

Harmonies

Analogous

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



48.4343, 45.0375, 22.2262



41.5389, 45.0375, 20.4137



35.6339, 45.0375, 24.4612

Triad

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



41.5389, 45.0375, 20.4137



33.0330, 45.0375, 74.2419



55.8554, 45.0375, 66.1773

Complementary

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



41.5389, 45.0375, 20.4137



23.2347, 21.5260, 55.1548

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.



50.8829, 45.0375, 86.2134



41.5389, 45.0375, 20.4137



37.6330, 45.0375, 91.6670

Square

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



41.5389, 45.0375, 20.4137



31.0678, 45.0375, 52.7980



44.1002, 45.0375, 96.5450



57.1830, 45.0375, 45.4613

Rectangle

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



41.5389, 45.0375, 20.4137



32.8965, 45.0375, 30.7859



44.1002, 45.0375, 96.5450



54.5308, 45.0375, 73.3695

Sweetspot

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



41.5400, 45.0396, 20.4146



87.6894, 93.6376, 80.6772



31.7118, 23.7272, 22.2441



18.5473, 19.8431, 16.4406



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.



41.5400, 45.0396, 20.4146



72.4064, 78.4271, 28.2440



38.8206, 49.0097, 21.3243



10.7447, 11.4208, 10.7000



22.6065, 23.4988, 3.3442



1.0198, 1.1014, 0.1588

Inverse Universe

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



23.2347, 21.5260, 55.1548



35.3385, 30.8467, 98.6992



25.0057, 19.5452, 54.6791



9.6805, 10.0524, 12.7149



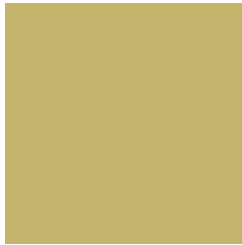
6.8838, 3.5241, 33.8740



0.3453, 0.2481, 1.4796

Previews

White Background



This preview shows how the XYZ color 41.5389, 45.0375, 20.4137 looks on a white background.

Color Contrast Check

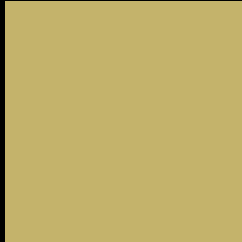
Large Text (above 18pt) WCAG AA × Fail

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 41.5389, 45.0375, 20.4137 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 41.5389, 45.0375, 20.4137

Background



This preview shows how black text looks on a background with the XYZ color 41.5389, 45.0375, 20.4137.



This preview shows how white text looks on a background with the XYZ color 41.5389, 45.0375,

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

41.5389, 45.0375, 20.4137

Protanopia

41.5389, 45.0375, 20.4137

Deuteranopia

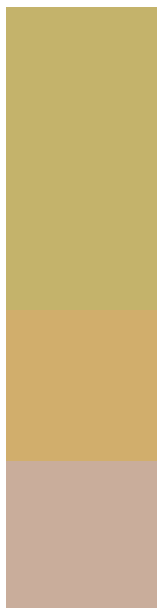
45.9385, 44.9817, 20.7291



Tritanopia

47.8238, 45.0057, 50.9661

Trichromacy



Original Color

41.5389, 45.0375, 20.4137

Protanomaly

41.5389, 45.0375, 20.4137

Deuteranomaly

44.1373, 44.9101, 20.5296

Tritanomaly

44.9474, 44.6712, 37.2638

Monochromacy



Original Color

41.5389, 45.0375, 20.4137

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.8365, 43.7459, 35.5697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5389, 45.0375, 20.4137 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(196, 179, 107)` looks like.

```
.text, #text, p{  
    color:rgb(196, 179, 107)  
}
```

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(196, 179, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 179, 107) }
```

Border

The CSS property to change the border of an element to XYZ 41.5389, 45.0375, 20.4137 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(196, 179, 107) }
```


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

```
.border{ border-color:rgb(196, 179, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 179, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 179, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 179, 107);  
box-shadow:4px 4px 4px 4px rgb(196, 179,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5389, 45.0375, 20.4137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 179, 107) }
```

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

```
.background{ background-color: rgb(196,  
179, 107) }
```

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