

Converting Colors

XYZ(41.4468, 49.8694, 7.6632)

Have a look what the booklet for
XYZ(41.4468, 49.8694, 7.6632)
contains.

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Color

**XYZ(41.5837, 50.0704,
7.7026)**

Conversions

Conversions Part 1

Format	Color
Hex	C2C208
RGB	194, 194, 8
RGB Percent	76%, 76%, 3%
CMY	0.2392, 0.2392, 0.9685
CMYK	0.00, 0.00, 0.96, 0.24
HSL	60°, 92%, 40%
HSV	60°, 96%, 76%
XYZ	41.5837, 50.0704, 7.7026
YIQ	172.7960, 59.7060, -57.8460

Conversions

Conversions Part 2

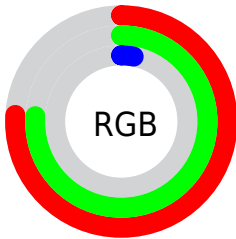
Format	Color
R_{YB}	8, 194, 8
Decimal	12763656
CIE _{Lab}	76.11, -17.46, 76.10
CIE _{LCh}	76, 78.076, 102.923
Yxy	50.0704, 0.4185, 0.5039
Android (android.graphics.Color)	4290953736 (0xFFC2C208)
YUV	172.7960, -81.2444, 18.5959
Hunter-Lab	70.7604, -18.9319, 43.0783

Details

The XYZ color **41.5837, 50.0704, 7.7026** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **9.9258, 4.1212, 51.3144**, and the grayscale version is **39.9985, 42.0815, 45.8268**.

A 20% lighter version of the original color is **76.6984, 90.0979, 21.9425**, and **19.6782, 24.2840, 3.6501** is the 20% darker color. If you saturate the color by 10%, you get **41.5408, 50.0551, 7.4722**, and if you desaturate by 10%, it is **41.7438, 50.1364, 8.5399**.

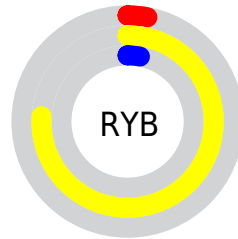
Distribution



Red (76%)

Green (76%)

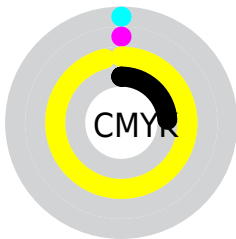
Blue (3%)



Red (3%)

Yellow (76%)

Blue (3%)

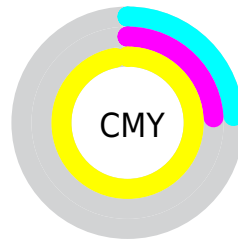


Cyan (0%)

Magenta (0%)

Yellow (96%)

Black (24%)



Cyan (24%)

Magenta (24%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5837, 50.0704, 7.7026 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 41.5837, 50.0704, 7.7026 by changing the saturation by 10% instead.

■ 41.5837, 50.0704,
7.7026

■ 41.5837, 50.0704,
7.7026

343.7754,
386.9412, 183.2270

■ 28.9651, 35.4693,
3.8202

■ 76.8383, 90.2792,
21.9098

■ 19.1986, 24.0246,
1.5272

■ 100.2051,
116.6557, 33.0717

■ 11.9187, 15.3519,
0.2381

■ 127.8853,
147.7261, 47.4971

■ 6.7602, 9.0667,
0.0000

■ 160.2443,
183.8749, 65.6047

■ 3.3576, 4.7847,
0.0000

■ 197.6474,
225.4864, 87.8129

■ 1.3455, 2.1215,
0.0000

■ 240.4601,

■ 0.2169, 0.6767,

272.9450, 114.5404

0.0000

289.0476,
326.6351, 146.2056

■ 0.0000, 0.0000,
0.0000

■ 41.5837, 50.0704,
7.7026

■ 41.5837, 50.0704,
7.7026

■ 41.5408, 50.0551,
7.4722

■ 41.7438, 50.1364,
8.5399

■ 42.0507, 50.2591,
10.1554

■ 42.5314, 50.4514,
12.6854

■ 43.2062, 50.7214,
16.2380

■ 44.0928, 51.0760,
20.9061

■ 45.2069, 51.5217,
26.7722

■ 46.5628, 52.0641,
33.9111

■ 48.1734, 52.7083,
42.3916

■ 50.0508, 53.4593,
52.2772

Harmonies

Analogous

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



56.3203, 50.0704, 8.1191



41.5837, 50.0704, 7.7026



30.9168, 50.0704, 14.2917

Triad

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



41.5837, 50.0704, 7.7026



29.8498, 50.0704, 129.6547



79.7891, 50.0704, 81.7031

Complementary

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



41.5837, 50.0704, 7.7026



9.9258, 4.1212, 51.3144

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.



69.3851, 50.0704, 137.1374



41.5837, 50.0704, 7.7026



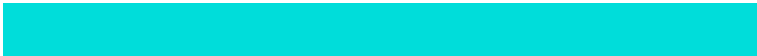
39.8127, 50.0704, 173.1580

Square

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



41.5837, 50.0704, 7.7026



25.1357, 50.0704, 74.5496



54.1494, 50.0704, 176.4382



80.5349, 50.0704, 38.4407

Rectangle

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



41.5837, 50.0704, 7.7026



26.7137, 50.0704, 25.4974



54.1494, 50.0704, 176.4382



77.2213, 50.0704, 99.9196

Sweetspot

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



41.5848, 50.0727, 7.7036



83.4200, 93.9473, 56.5119



22.3805, 11.6618, 1.3017



18.0375, 20.4812, 11.1609



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.



41.5848, 50.0727, 7.7036



75.2569, 90.6818, 13.5369



24.7053, 41.3710, 6.9137



10.9134, 11.7584, 10.7563



27.3102, 32.9078, 4.9124



1.1800, 1.4219, 0.2123

Inverse Universe

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



9.9258, 4.1212, 51.3144



17.6422, 7.0569, 92.9021



15.1937, 6.8369, 51.5609



9.5284, 9.7480, 12.6642



6.4023, 2.5609, 33.7135



0.2766, 0.1107, 1.4567

Previews

White Background



This preview shows how the XYZ color 41.5837, 50.0704, 7.7026 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 41.5837, 50.0704, 7.7026 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 41.5837, 50.0704, 7.7026

Background



This preview shows how black text looks on a background with the XYZ color 41.5837, 50.0704, 7.7026.



This preview shows how white text looks on a background with the XYZ color 41.5837, 50.0704,

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

41.5837, 50.0704, 7.7026

Protanopia

45.1346, 49.9635, 7.2651

Deuteranopia

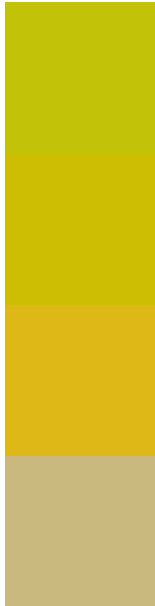
51.0798, 49.9391, 8.1753



Tritanopia

51.7910, 49.8030, 57.9222

Trichromacy



Original Color

41.5837, 50.0704, 7.7026

Protanomaly

43.6067, 49.8126, 7.4026

Deuteranomaly

47.1041, 49.7111, 7.8716

Tritanomaly

45.4720, 48.7608, 26.7538

Monochromacy



Original Color

41.5837, 50.0704, 7.7026

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.5606, 44.0638, 22.0956

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5837, 50.0704, 7.7026 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(194, 194, 8)` looks like.

```
.text, #text, p{  
    color:rgb(194, 194, 8)  
}
```

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(194, 194, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 194, 8) }
```

Border

The CSS property to change the border of an element to XYZ 41.5837, 50.0704, 7.7026 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(194, 194, 8) }
```


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

```
.border{ border-color:rgb(194, 194, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 194, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 194, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 194, 8);  
box-shadow:4px 4px 4px 4px rgb(194, 194,  
8) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5837, 50.0704, 7.7026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 194, 8) }
```

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

```
.background{ background-color: rgb(194,  
194, 8) }
```

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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