

Converting Colors

XYZ(37.6040, 43.3745, 4.4983)

Have a look what the booklet for
XYZ(37.6040, 43.3745, 4.4983)
contains.

XYZ(37.8583, 43.4467, 6.3907)	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(37.8583, 43.4467,
6.3907)**

Conversions

Conversions Part 1

Format	Color
Hex	C0B300
RGB	192, 179, 0
RGB Percent	75%, 70%, 0%
CMY	0.2471, 0.2980, 0.9999
CMYK	0.00, 0.07, 1.00, 0.25
HSL	56°, 100%, 38%
HSV	56°, 100%, 75%
XYZ	37.8583, 43.4467, 6.3907
YIQ	162.4810, 65.2070, -52.9130

Conversions

Conversions Part 2

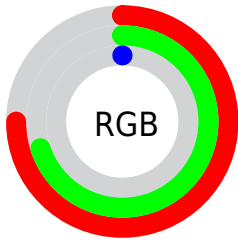
Format	Color
RYB	14, 192, 0
Decimal	12628736
CIELab	71.86, -10.81, 73.75
CIELCh	72, 74.541, 98.339
Yxy	43.4467, 0.4317, 0.4954
Android (android.graphics.Color)	4290818816 (0xFFC0B300)
YUV	162.4810, -80.1031, 25.8882
Hunter-Lab	65.9141, -12.8268, 40.3914

Details

The XYZ color **37.8583, 43.4467, 6.3907** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as dark washed orange. A complement of this color would be **9.6586, 4.0940, 50.1498**, and the grayscale version is **34.9138, 36.7321, 40.0012**.

A 20% lighter version of the original color is **70.9790, 80.1056, 19.1181**, and **17.4209, 20.2471, 2.9899** is the 20% darker color. If you saturate the color by 10%, you get **37.8589, 43.4482, 6.3910**, and if you desaturate by 10%, it is **38.2403, 44.0199, 7.1071**.

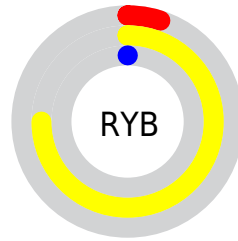
Distribution



Red (75%)

Green (70%)

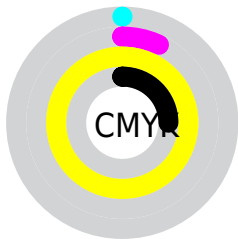
Blue (0%)



Red (5%)

Yellow (75%)

Blue (0%)

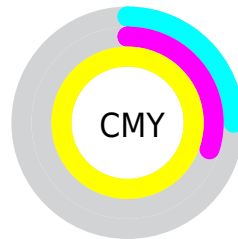


Cyan (0%)

Magenta (7%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (30%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8583, 43.4467, 6.3907 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 37.8583, 43.4467, 6.3907 by changing the saturation by 10% instead.


 37.8583, 43.4467,
6.3907


 37.8583, 43.4467,
6.3907


328.3031,
360.4456, 171.9344


 26.0494, 30.2358,
3.0115


 71.1962, 80.3845,
19.2281

 16.9935, 20.0176,
1.1005


 93.4559, 104.8802,
29.5233

 10.3251, 12.4078,
0.0000


 119.9300,
133.9062, 42.9610

 5.6790, 7.0221,
0.0000

 150.9838,
167.8470, 59.9596

 2.6897, 3.4759,
0.0000

 186.9827,
207.0869, 80.9377

 0.9919, 1.3850,
0.0000

 228.2919,

 0.0000, 0.2056,

252.0104, 106.3138

0.0000

275.2770,
303.0018, 136.5066

■ 0.0000, 0.0000,
0.0000

■ 37.8583, 43.4467,
6.3907

■ 37.8583, 43.4467,
6.3907

■ 37.8589, 43.4482,
6.3910

■ 38.2403, 44.0199,
7.1071

■ 38.7417, 44.6431,
8.4443

■ 39.4057, 45.3353,
10.6259

■ 40.2539, 46.1051,
13.7651

■ 41.3045, 46.9599,
17.9578

■ 42.5735, 47.9060,
23.2883

■ 44.0752, 48.9492,
29.8324

■ 45.8229, 50.0948,
37.6592

■ 47.8288, 51.3476,
46.8328

Harmonies

Analogous

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



50.9655, 43.4467, 7.5595



37.8583, 43.4467, 6.3907



27.9402, 43.4467, 10.9515

Triad

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



37.8583, 43.4467, 6.3907



24.9692, 43.4467, 105.1957



68.3565, 43.4467, 78.0499

Complementary

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



37.8583, 43.4467, 6.3907



9.6586, 4.0940, 50.1498

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.



58.3432, 43.4467, 125.9458



37.8583, 43.4467, 6.3907



32.9320, 43.4467, 146.4204

Square

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



37.8583, 43.4467, 6.3907



21.5614, 43.4467, 58.1743



44.9332, 43.4467, 155.5082



70.4260, 43.4467, 37.8835

Rectangle

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



37.8583, 43.4467, 6.3907



23.8223, 43.4467, 19.3022



44.9332, 43.4467, 155.5082



65.7222, 43.4467, 94.2467

Sweetspot

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



37.8593, 43.4488, 6.3916



79.7193, 88.5974, 53.4208



21.8318, 11.2442, 1.5105



16.8449, 18.8308, 10.3301



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.



37.8593, 43.4488, 6.3916



68.5236, 78.5756, 11.5550



25.5325, 41.1441, 6.5964



10.8532, 11.6378, 10.7362



25.4983, 29.2823, 4.3081



1.1196, 1.3009, 0.1921

Inverse Universe

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



9.6586, 4.0940, 50.1498



17.4388, 7.2941, 90.8491



12.8236, 5.5120, 50.2567



9.5818, 9.8550, 12.6820



6.5204, 2.7973, 33.7529



0.3010, 0.1594, 1.4648

Previews

White Background



This preview shows how the XYZ color 37.8583, 43.4467, 6.3907 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 37.8583, 43.4467, 6.3907 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 37.8583, 43.4467, 6.3907

Background



This preview shows how black text looks on a background with the XYZ color 37.8583, 43.4467, 6.3907.

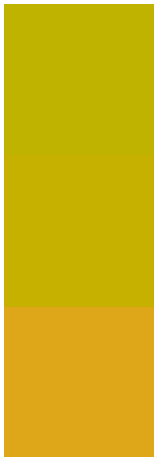


This preview shows how white text looks on a background with the XYZ color 37.8583, 43.4467,

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

37.8583, 43.4467, 6.3907

Protanopia

39.2753, 43.5864, 6.3430

Deuteranopia

44.1184, 43.2372, 6.9400



Tritanopia

46.4015, 43.2236, 48.5452

Trichromacy



Original Color

37.8583, 43.4467, 6.3907

Protanomaly

38.6853, 43.5766, 6.3722

Deuteranomaly

41.5204, 43.0121, 6.6040

Tritanomaly

41.1534, 42.4828, 21.9506

Monochromacy



Original Color

37.8583, 43.4467, 6.3907

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.6844, 37.8688, 18.3660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8583, 43.4467, 6.3907 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(192, 179, 0)` looks like.

```
.text, #text, p{  
    color:rgb(192, 179, 0)  
}
```

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(192, 179, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 179, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.8583, 43.4467, 6.3907 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(192, 179, 0) }
```


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

```
.border{ border-color:rgb(192, 179, 0) }
```

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

Here you see how a box with a 4 pixel rgb(192, 179, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 179, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 179, 0);  
box-shadow:4px 4px 4px 4px rgb(192, 179,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8583, 43.4467, 6.3907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 179, 0) }
```

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

```
.background{ background-color: rgb(192,  
179, 0) }
```

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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