

Converting Colors

XYZ(38.8847, 33.8359, 10.3677)

Have a look what the booklet for
XYZ(38.8847, 33.8359, 10.3677)
contains.

XYZ(38.8343, 33.8100, 10.4404)	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(38.8343, 33.8100,
10.4404)**

Conversions

Conversions Part 1

Format	Color
Hex	D88C47
RGB	216, 140, 71
RGB Percent	85%, 55%, 28%
CMY	0.1529, 0.4510, 0.7216
CMYK	0.00, 0.35, 0.67, 0.15
HSL	29°, 65%, 56%
HSV	29°, 67%, 85%
XYZ	38.8343, 33.8100, 10.4404
YIQ	154.8580, 67.4450, -5.3470

Conversions

Conversions Part 2

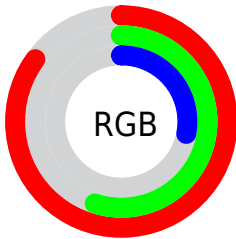
Format	Color
R _Y B	216, 203, 71
Decimal	14191687
CIE Lab	64.81, 22.69, 47.79
CIE LCh	65, 52.904, 64.599
Yxy	33.8100, 0.4674, 0.4069
Android (android.graphics.Color)	4292381767 (0xFFD88C47)
YUV	154.8580, -41.3420, 53.6215
Hunter-Lab	58.1464, 17.4589, 30.0567

Details

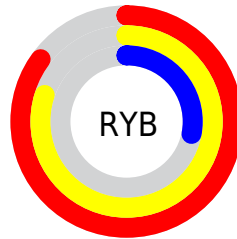
The XYZ color **38.8343, 33.8100, 10.4404** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **25.4262, 27.1635, 68.8683**, and the grayscale version is **31.2499, 32.8773, 35.8034**.

A 20% lighter version of the original color is **64.0446, 61.2487, 26.8590**, and **17.6871, 14.5309, 2.5344** is the 20% darker color. If you saturate the color by 10%, you get **36.6905, 30.4418, 6.8924**, and if you desaturate by 10%, it is **41.3962, 37.6206, 15.3434**.

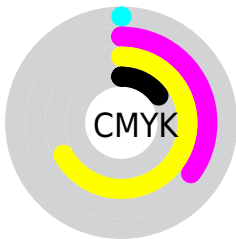
Distribution



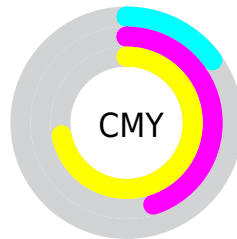
- Red (85%)
- Green (55%)
- Blue (28%)



- Red (85%)
- Yellow (80%)
- Blue (28%)



- Cyan (0%)
- Magenta (35%)
- Yellow (67%)
- Black (15%)





- Cyan (15%)
- Magenta (45%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8343, 33.8100, 10.4404 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 38.8343, 33.8100, 10.4404 by changing the saturation by 10% instead.


 38.8343, 33.8100,
10.4404


 38.8343, 33.8100,
10.4404


332.4048,
319.2840, 204.3847


 26.8110, 22.7477,
5.5825


 72.6808, 65.6381,
27.2413

 17.5672, 14.4073,
2.5283


 95.2347, 87.1727,
40.0213


 10.7375, 8.4045,
0.8551


 122.0295,
112.9667, 56.2792

 5.9566, 4.3548,
0.0000


 153.4306,
143.4048, 76.4335

 2.8591, 1.8740,
0.0000

 189.8034,
178.8711, 100.9026

 1.0797, 0.5327,
0.0000

231.5130,

 0.0080, 0.0000,

219.7502, 130.1051

0.0000

278.9251,
266.4263, 164.4597

■ 0.0000, 0.0000,
0.0000

■ 38.8343, 33.8100,
10.4404

■ 38.8343, 33.8100,
10.4404

■ 36.6905, 30.4418,
6.8924

■ 41.3962, 37.6206,
15.3434

■ 34.9299, 27.4895,
4.5512

■ 44.4021, 41.8876,
21.7247

■ 33.5113, 24.9296,
3.2238

■ 47.8784, 46.6304,
29.6958

■ 33.1485, 24.2584,
2.9352

■ 51.8482, 51.8656,
39.3567

■ 56.3331, 57.6086,
50.7992

■ 61.3532, 63.8745,
64.1082

■ 66.9273, 70.6771,
79.3635

■ 73.0736, 78.0301,
96.6399

■ 78.0884, 85.2583,
106.9485

Harmonies

Analogous

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



45.7577, 33.8100, 17.7670



38.8343, 33.8100, 10.4404



30.9757, 33.8100, 8.8385

Triad

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



38.8343, 33.8100, 10.4404



19.6384, 33.8100, 40.2788



41.1872, 33.8100, 83.2438

Complementary

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



38.8343, 33.8100, 10.4404



25.4262, 27.1635, 68.8683

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.



33.3237, 33.8100, 96.4281



38.8343, 33.8100, 10.4404



21.5267, 33.8100, 66.1272

Square

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



38.8343, 33.8100, 10.4404



20.6404, 33.8100, 21.5962



26.2549, 33.8100, 89.1714



47.2596, 33.8100, 57.8900

Rectangle

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



38.8343, 33.8100, 10.4404



26.4177, 33.8100, 10.3336



26.2549, 33.8100, 89.1714



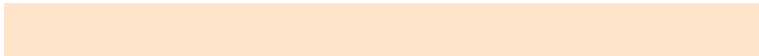
38.6238, 33.8100, 89.6199

Sweetspot

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



38.8351, 33.8117, 10.4410



79.9571, 81.2556, 68.5964



35.9439, 21.2543, 30.3638



16.7151, 16.8818, 13.6624



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.



38.8351, 33.8117, 10.4410



52.1772, 42.2659, 8.2533



52.7917, 61.7249, 15.0932



12.9059, 13.3859, 13.0642



19.7272, 14.5717, 1.7729



1.2724, 1.0440, 0.1345

Inverse Universe

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



25.4262, 27.1635, 68.8683



31.2971, 31.8730, 99.1103



17.5664, 11.4437, 66.2484



12.2758, 13.0750, 15.8142



10.9541, 10.1700, 39.8388



0.7434, 0.7787, 2.4304

Previews

White Background



This preview shows how the XYZ color 38.8343, 33.8100, 10.4404 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 38.8343, 33.8100, 10.4404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

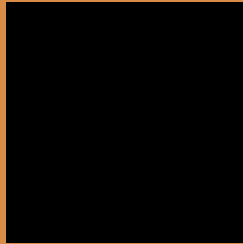
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.8343, 33.8100, 10.4404

Background



This preview shows how black text looks on a background with the XYZ color 38.8343, 33.8100, 10.4404.



This preview shows how white text looks on a background with the XYZ color 38.8343, 33.8100,

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

38.8343, 33.8100, 10.4404

Protanopia

31.0220, 33.9882, 11.9465

Deuteranopia

34.4554, 33.8321, 10.1831



Tritanopia

42.9525, 33.8277, 29.8567

Trichromacy



Original Color

38.8343, 33.8100, 10.4404

Protanomaly

33.3229, 33.4600, 11.3587

Deuteranomaly

35.9817, 33.6839, 10.2354

Tritanomaly

41.0298, 33.6490, 20.8554

Monochromacy



Original Color

38.8343, 33.8100, 10.4404

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

32.6759, 32.6150, 23.6419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8343, 33.8100, 10.4404 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(216, 140, 71)` looks like.

```
.text, #text, p{  
    color:rgb(216, 140, 71)  
}
```

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(216, 140, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 140, 71) }
```

Border

The CSS property to change the border of an element to XYZ 38.8343, 33.8100, 10.4404 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(216, 140, 71) }
```


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

```
.border{ border-color:rgb(216, 140, 71) }
```

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

Here you see how a box with a 4 pixel rgb(216, 140, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 140, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 140, 71);  
box-shadow:4px 4px 4px 4px rgb(216, 140,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8343, 33.8100, 10.4404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 140, 71) }
```

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

```
.background{ background-color: rgb(216,  
140, 71) }
```

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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