

Converting Colors

XYZ(40.7969, 33.9208, 12.5808)

Have a look what the booklet for
XYZ(40.7969, 33.9208, 12.5808)
contains.

XYZ(40.7969, 33.9208, 12.5808)	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(40.7969, 33.9208,
12.5808)**

Conversions

Conversions Part 1

Format	Color
Hex	DF8853
RGB	223, 136, 83
RGB Percent	87%, 53%, 33%
CMY	0.1255, 0.4666, 0.6745
CMYK	0.00, 0.39, 0.63, 0.13
HSL	23°, 69%, 60%
HSV	23°, 63%, 87%
XYZ	40.7969, 33.9208, 12.5808
YIQ	155.9710, 68.8650, 1.9610

Conversions

Conversions Part 2

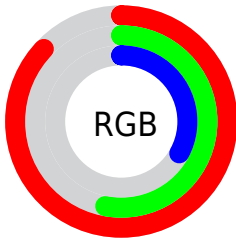
Format	Color
R _Y B	223, 168, 83
Decimal	14649427
CIE Lab	64.90, 28.46, 42.07
CIE LCh	65, 50.793, 55.921
Yxy	33.9208, 0.4673, 0.3886
Android (android.graphics.Color)	4292839507 (0xFFDF8853)
YUV	155.9710, -35.9747, 58.7844
Hunter-Lab	58.2416, 23.1125, 27.9618

Details

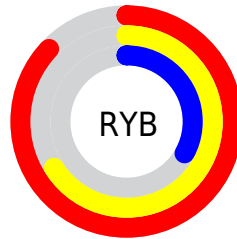
The XYZ color **40.7969, 33.9208, 12.5808** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **31.2604, 35.9143, 75.0962**, and the grayscale version is **31.7218, 33.3738, 36.3440**.

A 20% lighter version of the original color is **63.9565, 59.8081, 30.7275**, and **18.6561, 14.4049, 3.3872** is the 20% darker color. If you saturate the color by 10%, you get **38.2434, 29.9774, 8.1435**, and if you desaturate by 10%, it is **43.8811, 38.4831, 18.5613**.

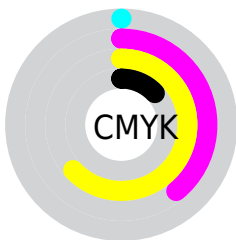
Distribution



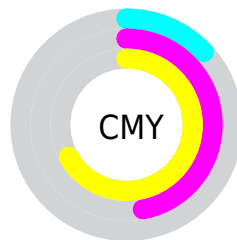
- Red (87%)
- Green (53%)
- Blue (33%)



- Red (87%)
- Yellow (66%)
- Blue (33%)



- Cyan (0%)
- Magenta (39%)
- Yellow (63%)
- Black (13%)





- Cyan (13%)
- Magenta (47%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7969, 33.9208, 12.5808 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 40.7969, 33.9208, 12.5808 by changing the saturation by 10% instead.


 40.7969, 33.9208,
12.5808


 40.7969, 33.9208,
12.5808

340.5482,
319.7788, 219.3260


 28.3474, 22.8328,
7.0132


 75.6521, 65.8105,
31.2287

 18.7295, 14.4701,
3.3918


 98.7886, 87.3809,
45.1460


 11.5778, 8.4483,
1.2980


 126.2180,
113.2143, 62.6837

 6.5270, 4.3831,
0.0601

 158.3059,
143.6950, 84.2602

 3.2118, 1.8901,
0.0000

 195.4175,
179.2074, 110.2942

 1.2667, 0.5424,
0.0000

237.9181,

 0.1581, 0.0000,

220.1359, 141.2041

0.0000

286.1732,
266.8649, 177.4085

■ 0.0000, 0.0000,
0.0000

■ 40.7969, 33.9208,
12.5808

■ 40.7969, 33.9208,
12.5808

■ 38.2434, 29.9774,
8.1435

■ 43.8811, 38.4831,
18.5613

■ 36.1811, 26.6173,
5.0986

■ 47.5268, 43.6868,
26.2124

■ 34.5671, 23.8087,
3.2679

■ 51.7647, 49.5595,
35.6503

■ 33.6350, 22.0955,
2.4921

■ 56.6227, 56.1255,
46.9803

■ 62.1263, 63.4076,
60.2993

■ 68.3000, 71.4277,
75.6975

■ 75.1666, 80.2066,
93.2597

■ 81.6998, 89.3451,
107.5470

■ 84.2412, 94.4279,
108.3942

Harmonies

Analogous

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



46.6445, 33.9208, 21.9548



40.7969, 33.9208, 12.5808



33.2532, 33.9208, 9.5361

Triad

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



40.7969, 33.9208, 12.5808



20.1306, 33.9208, 34.1377



38.7998, 33.9208, 86.4067

Complementary

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



40.7969, 33.9208, 12.5808



31.2604, 35.9143, 75.0962

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.



31.2489, 33.9208, 93.5695



40.7969, 33.9208, 12.5808



21.1569, 33.9208, 57.5285

Square

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



40.7969, 33.9208, 12.5808



21.9227, 33.9208, 18.6247



24.9732, 33.9208, 81.4470



45.3744, 33.9208, 64.4698

Rectangle

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



40.7969, 33.9208, 12.5808



28.5283, 33.9208, 10.1344



24.9732, 33.9208, 81.4470



36.2619, 33.9208, 90.9087

Sweetspot

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



40.7977, 33.9225, 12.5814



79.3440, 79.5360, 69.9135



40.9391, 24.8405, 41.4992



16.5383, 16.4323, 13.8987



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.



40.7977, 33.9225, 12.5814



50.9849, 39.2805, 9.7080



53.6648, 59.6567, 16.8705



14.1304, 14.5467, 14.3698



19.8776, 13.1931, 1.4989



1.4622, 1.0832, 0.1320

Inverse Universe

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



31.2604, 35.9143, 75.0962



36.9973, 42.0001, 100.7646



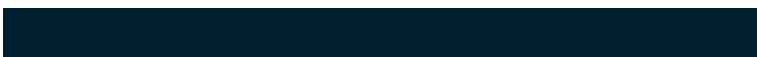
21.6055, 16.6044, 71.8779



13.6579, 14.6549, 17.4965



13.3358, 14.1412, 43.0750



1.0098, 1.1511, 3.0142

Previews

White Background



This preview shows how the XYZ color 40.7969, 33.9208, 12.5808 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 40.7969, 33.9208, 12.5808 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 40.7969, 33.9208, 12.5808

Background



This preview shows how black text looks on a background with the XYZ color 40.7969, 33.9208, 12.5808.



This preview shows how white text looks on a background with the XYZ color 40.7969, 33.9208,

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

40.7969, 33.9208, 12.5808

Protanopia

31.3488, 34.0933, 14.8259

Deuteranopia

34.6024, 33.8612, 12.3015



Tritanopia

44.1890, 33.8955, 28.6396

Trichromacy



Original Color

40.7969, 33.9208, 12.5808

Protanomaly

34.1537, 33.5936, 13.9166

Deuteranomaly

36.7874, 33.8240, 12.3744

Tritanomaly

42.9451, 34.0032, 21.7526

Monochromacy



Original Color

40.7969, 33.9208, 12.5808

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

33.5323, 32.7832, 25.3293

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7969, 33.9208, 12.5808 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(223, 136, 83)` looks like.

```
.text, #text, p{  
    color:rgb(223, 136, 83)  
}
```

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(223, 136, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 136, 83) }
```

Border

The CSS property to change the border of an element to XYZ 40.7969, 33.9208, 12.5808 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(223, 136, 83) }
```


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

```
.border{ border-color:rgb(223, 136, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 136, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 136, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 136, 83);  
box-shadow:4px 4px 4px 4px rgb(223, 136,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7969, 33.9208, 12.5808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 136, 83) }
```

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

```
.background{ background-color: rgb(223,  
136, 83) }
```

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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