

Converting Colors

XYZ(40.7963, 35.6876, 12.1997)

Have a look what the booklet for
XYZ(40.7963, 35.6876, 12.1997)
contains.

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Color

**XYZ(40.8997, 35.7267,
12.1374)**

Conversions

Conversions Part 1

Format	Color
Hex	DC904F
RGB	220, 144, 79
RGB Percent	86%, 56%, 31%
CMY	0.1373, 0.4353, 0.6902
CMYK	0.00, 0.35, 0.64, 0.14
HSL	28°, 67%, 59%
HSV	28°, 64%, 86%
XYZ	40.8997, 35.7267, 12.1374
YIQ	159.3140, 66.1610, -4.1030

Conversions

Conversions Part 2

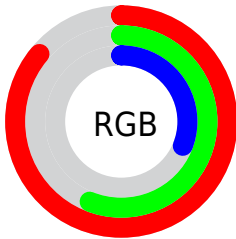
Format	Color
R _Y B	220, 200, 79
Decimal	14454863
CIE Lab	66.31, 22.70, 45.66
CIE LCh	66, 50.990, 63.570
Yxy	35.7267, 0.4608, 0.4025
Android (android.graphics.Color)	4292644943 (0xFFDC904F)
YUV	159.3140, -39.5948, 53.2216
Hunter-Lab	59.7718, 17.5404, 29.8007

Details

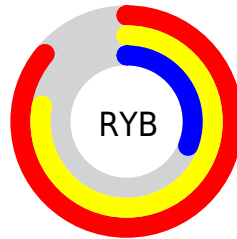
The XYZ color **40.8997, 35.7267, 12.1374** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **27.8632, 30.2705, 72.0838**, and the grayscale version is **33.2538, 34.9856, 38.0993**.

A 20% lighter version of the original color is **65.4633, 63.2599, 29.8792**, and **18.8466, 15.4995, 3.2267** is the 20% darker color. If you saturate the color by 10%, you get **38.5250, 32.0540, 8.0277**, and if you desaturate by 10%, it is **43.7296, 39.8863, 17.7064**.

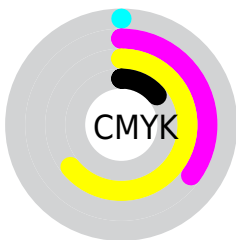
Distribution



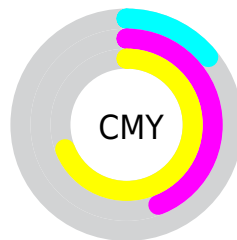
- Red (86%)
- Green (56%)
- Blue (31%)



- Red (86%)
- Yellow (78%)
- Blue (31%)



- Cyan (0%)
- Magenta (35%)
- Yellow (64%)
- Black (14%)





- Cyan (14%)
- Magenta (44%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8997, 35.7267, 12.1374 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 40.8997, 35.7267, 12.1374 by changing the saturation by 10% instead.


 40.8997, 35.7267,
12.1374


 40.8997, 35.7267,
12.1374

340.9710,
327.7644, 216.3229

 28.4280, 24.2232,
6.7136

 75.8073, 68.6100,
30.4132


 18.7907, 15.4993,
3.2080


 98.9739, 90.7586,
44.1024


 11.6222, 9.1705,
1.2018


 126.4363,
117.2244, 61.3838

 6.5574, 4.8526,
0.0000

 158.5597,
148.3917, 82.6759

 3.2307, 2.1610,
0.0000

 195.7095,
184.6450, 108.3974

 1.2769, 0.6986,
0.0000

238.2511,

 0.1658, 0.0000,

226.3686, 138.9667

0.0000

286.5498,
273.9469, 174.8023

■ 0.0000, 0.0000,
0.0000

■ 40.8997, 35.7267,
12.1374

■ 40.8997, 35.7267,
12.1374

■ 38.5250, 32.0540,
8.0277

■ 43.7296, 39.8863,
17.7064

■ 36.5700, 28.8402,
5.2295

■ 47.0414, 44.5479,
24.8587

■ 34.9962, 26.0616,
3.5667

■ 50.8621, 49.7323,
33.7073

■ 34.2102, 24.6060,
2.9464

■ 55.2160, 55.4573,
44.3541

■ 60.1255, 61.7398,
56.8929

■ 65.6116, 68.5959,
71.4111

■ 71.6941, 76.0407,
87.9903

■ 78.3917, 84.0890,
106.7069

■ 81.9751, 91.2559,
107.9013

Harmonies

Analogous

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



47.6754, 35.7267, 20.0158



40.8997, 35.7267, 12.1374



33.0536, 35.7267, 10.2643

Triad

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



40.8997, 35.7267, 12.1374



21.3403, 35.7267, 41.5702



42.7135, 35.7267, 85.3406

Complementary

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



40.8997, 35.7267, 12.1374



27.8632, 30.2705, 72.0838

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.



34.8770, 35.7267, 97.5513



40.8997, 35.7267, 12.1374



23.1606, 35.7267, 66.9980

Square

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



40.8997, 35.7267, 12.1374



22.4613, 35.7267, 23.0624



27.8484, 35.7267, 89.8254



48.8277, 35.7267, 60.7078

Rectangle

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



40.8997, 35.7267, 12.1374



28.4326, 35.7267, 11.7351



27.8484, 35.7267, 89.8254



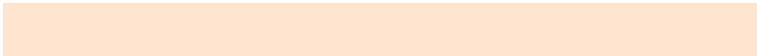
40.1546, 35.7267, 91.3793

Sweetspot

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



40.9005, 35.7285, 12.1381



80.4356, 81.7192, 70.2774



38.3585, 23.2267, 34.1589



16.8005, 16.9568, 13.9861



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.



40.9005, 35.7285, 12.1381



52.7954, 43.1221, 9.6310



54.7078, 63.3431, 16.7405



13.5482, 14.0358, 13.7207



20.1867, 14.6589, 1.7655



1.3934, 1.1208, 0.1429

Inverse Universe

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



27.8632, 30.2705, 72.0838



33.1938, 34.8608, 99.5870



19.4747, 13.4934, 69.2877



12.9171, 13.7739, 16.6300



11.5362, 10.9418, 41.2424



0.8332, 0.8806, 2.7005

Previews

White Background



This preview shows how the XYZ color 40.8997, 35.7267, 12.1374 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 40.8997, 35.7267, 12.1374 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 40.8997, 35.7267, 12.1374

Background



This preview shows how black text looks on a background with the XYZ color 40.8997, 35.7267, 12.1374.



This preview shows how white text looks on a background with the XYZ color 40.8997, 35.7267,

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

40.8997, 35.7267, 12.1374

Protanopia

32.9201, 35.9615, 13.8005

Deuteranopia

36.4483, 35.7891, 12.0081



Tritanopia

45.0438, 35.6912, 31.7091

Trichromacy



Original Color

40.8997, 35.7267, 12.1374

Protanomaly

35.2750, 35.4047, 13.1582

Deuteranomaly

38.0136, 35.6281, 12.0811

Tritanomaly

43.1769, 35.5584, 23.0001

Monochromacy



Original Color

40.8997, 35.7267, 12.1374

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

34.6409, 34.5467, 25.9615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8997, 35.7267, 12.1374 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(220, 144, 79)` looks like.

```
.text, #text, p{  
    color:rgb(220, 144, 79)  
}
```

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(220, 144, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 144, 79) }
```

Border

The CSS property to change the border of an element to XYZ 40.8997, 35.7267, 12.1374 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(220, 144, 79) }
```


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

```
.border{ border-color:rgb(220, 144, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 144, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 144, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 144, 79);  
box-shadow:4px 4px 4px 4px rgb(220, 144,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8997, 35.7267, 12.1374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 144, 79) }
```

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

```
.background{ background-color: rgb(220,  
144, 79) }
```

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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