

Converting Colors

XYZ(47.3319, 47.2887, 13.8407)

Have a look what the booklet for
XYZ(47.3319, 47.2887, 13.8407)
contains.

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Color

**XYZ(47.3319, 47.2887,
13.8407)**

Conversions

Conversions Part 1

Format	Color
Hex	DFB04E
RGB	223, 176, 78
RGB Percent	87%, 69%, 31%
CMY	0.1255, 0.3098, 0.6941
CMYK	0.00, 0.21, 0.65, 0.13
HSL	41°, 69%, 59%
HSV	41°, 65%, 87%
XYZ	47.3319, 47.2887, 13.8407
YIQ	178.8810, 59.4700, -20.5140

Conversions

Conversions Part 2

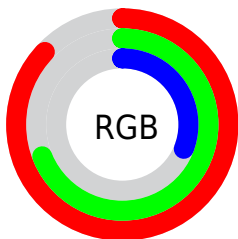
Format	Color
RYB	148, 223, 78
Decimal	14659662
CIELab	74.37, 6.77, 55.26
CIELCh	74, 55.670, 83.012
Yxy	47.2887, 0.4364, 0.4360
Android (android.graphics.Color)	4292849742 (0xFFDFB04E)
YUV	178.8810, -49.7343, 38.6924
Hunter-Lab	68.7668, 2.5190, 36.2034

Details

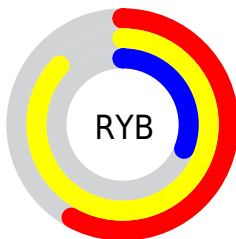
The XYZ color **47.3319, 47.2887, 13.8407** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **23.7945, 21.6138, 72.7294**, and the grayscale version is **43.0198, 45.2602, 49.2884**.

A 20% lighter version of the original color is **73.9126, 80.0505, 33.0284**, and **22.6721, 22.3697, 3.9334** is the 20% darker color. If you saturate the color by 10%, you get **45.2846, 44.2641, 9.8605**, and if you desaturate by 10%, it is **49.7279, 50.5772, 19.2750**.

Distribution



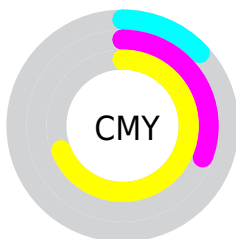
- Red (87%)
- Green (69%)
- Blue (31%)



- Red (58%)
- Yellow (87%)
- Blue (31%)



- Cyan (0%)
- Magenta (21%)
- Yellow (65%)
- Black (13%)





- Cyan (13%)
- Magenta (31%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3319, 47.2887, 13.8407 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 47.3319, 47.2887, 13.8407 by changing the saturation by 10% instead.


 47.3319, 47.2887,
13.8407


 47.3319, 47.2887,
13.8407


366.7646,
375.9657, 227.6314

 33.5072, 33.2639,
7.8725

 85.4246, 86.1444,
33.5192


 22.6763, 22.3287,
3.9269


 110.4232,
111.7441, 48.0665


 14.4741, 14.0986,
1.5853


 139.8772,
141.9710, 66.3105

 8.5350, 8.1893,
0.2803

 174.1518,
177.2093, 88.6699

 4.4938, 4.2163,
0.0000

 213.6126,
217.8436, 115.5632

 1.9851, 1.7953,
0.0000

258.6247,

 0.6256, 0.4842,

264.2581, 147.4088

0.0000

309.5536,
316.8374, 184.6254

■ 0.0000, 0.0000,
0.0000

■ 47.3319, 47.2887,
13.8407

■ 47.3319, 47.2887,
13.8407

■ 45.2846, 44.2641,
9.8605

■ 49.7279, 50.5772,
19.2750

■ 43.5528, 41.4828,
7.1801

■ 52.4950, 54.1349,
26.2911

■ 42.1014, 38.9305,
5.6151

■ 55.6575, 57.9750,
35.0056

■ 41.4537, 37.7328,
5.0983

■ 59.2362, 62.1077,
45.5234

■ 63.2505, 66.5424,
57.9410

■ 67.7183, 71.2880,
72.3476

■ 72.6565, 76.3527,
88.8273

■ 77.8544, 81.6541,
106.2652

■ 79.9522, 85.8497,
106.9645

Harmonies

Analogous

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



57.5657, 47.2887, 18.7908



47.3319, 47.2887, 13.8407



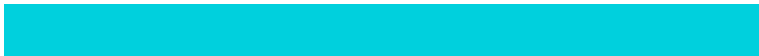
37.8264, 47.2887, 15.5663

Triad

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



47.3319, 47.2887, 13.8407



29.4407, 47.2887, 76.2172



62.1625, 47.2887, 92.3417

Complementary

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



47.3319, 47.2887, 13.8407



23.7945, 21.6138, 72.7294

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.



52.9083, 47.2887, 120.8207



47.3319, 47.2887, 13.8407



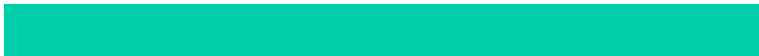
34.3210, 47.2887, 109.3481

Square

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



47.3319, 47.2887, 13.8407



28.4045, 47.2887, 45.0628



42.6426, 47.2887, 127.9890



66.9148, 47.2887, 58.4996

Rectangle

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



47.3319, 47.2887, 13.8407



33.0412, 47.2887, 20.7596



42.6426, 47.2887, 127.9890



59.4147, 47.2887, 103.3036

Sweetspot

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



47.3330, 47.2910, 13.8416



82.8509, 87.0433, 69.5611



36.9434, 22.6521, 22.2774



17.4094, 18.2705, 13.8938



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.



47.3330, 47.2910, 13.8416



60.4861, 58.6062, 11.8784



51.2717, 65.4445, 17.1380



14.4778, 15.2415, 14.4856



24.4810, 22.4000, 3.0333



1.7771, 1.7131, 0.2370

Inverse Universe

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



23.7945, 21.6138, 72.7294



26.4709, 21.6325, 97.3881



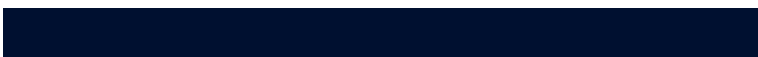
21.5425, 13.6115, 71.3035



13.3130, 13.9650, 17.3815



9.2959, 6.0614, 41.7284



0.7238, 0.5790, 2.9188

Previews

White Background



This preview shows how the XYZ color 47.3319, 47.2887, 13.8407 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 47.3319, 47.2887, 13.8407 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 47.3319, 47.2887, 13.8407

Background



This preview shows how black text looks on a background with the XYZ color 47.3319, 47.2887, 13.8407.



This preview shows how white text looks on a background with the XYZ color 47.3319, 47.2887,

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

47.3319, 47.2887, 13.8407

Protanopia

43.2833, 47.2835, 14.4348

Deuteranopia

48.2259, 47.1675, 13.9596



Tritanopia

54.4460, 47.1135, 48.3437

Trichromacy



Original Color

47.3319, 47.2887, 13.8407

Protanomaly

44.5965, 47.0559, 14.1293

Deuteranomaly

48.1053, 47.3932, 14.0095

Tritanomaly

51.0654, 46.8229, 31.9375

Monochromacy



Original Color

47.3319, 47.2887, 13.8407

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

43.3086, 45.3959, 32.0709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3319, 47.2887, 13.8407 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, 176, 78)` looks like.

```
.text, #text, p{  
    color:rgb(223, 176, 78)  
}
```

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, 176, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 176, 78) }
```

Border

The CSS property to change the border of an element to XYZ 47.3319, 47.2887, 13.8407 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, 176, 78) }
```


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

```
.border{ border-color:rgb(223, 176, 78) }
```

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

Here you see how a box with a 4 pixel rgb(223, 176, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 176, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 176, 78);  
box-shadow:4px 4px 4px 4px rgb(223, 176,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3319, 47.2887, 13.8407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 176, 78) }
```

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

```
.background{ background-color: rgb(223,  
176, 78) }
```

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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