

Converting Colors

XYZ(47.1413, 46.6394, 14.7166)

Have a look what the booklet for
XYZ(47.1413, 46.6394, 14.7166)
contains.

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Color

**XYZ(47.1288, 46.5846,
14.6914)**

Conversions

Conversions Part 1

Format	Color
Hex	DFAE53
RGB	223, 174, 83
RGB Percent	87%, 68%, 33%
CMY	0.1255, 0.3176, 0.6745
CMYK	0.00, 0.22, 0.63, 0.13
HSL	39°, 69%, 60%
HSV	39°, 63%, 87%
XYZ	47.1288, 46.5846, 14.6914
YIQ	178.2770, 58.4150, -17.9130

Conversions

Conversions Part 2

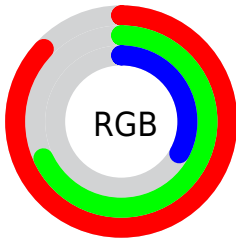
Format	Color
RYB	158, 223, 83
Decimal	14659155
CIELab	73.92, 8.15, 52.46
CIELCh	74, 53.089, 81.171
Yxy	46.5846, 0.4347, 0.4297
Android (android.graphics.Color)	4292849235 (0xFFDFAE53)
YUV	178.2770, -46.9716, 39.2221
Hunter-Lab	68.2529, 3.8121, 35.0149

Details

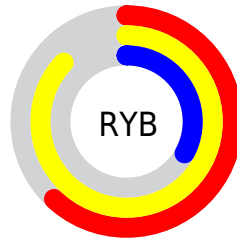
The XYZ color **47.1288, 46.5846, 14.6914** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **25.1375, 23.6683, 73.0552**, and the grayscale version is **42.6842, 44.9071, 48.9038**.

A 20% lighter version of the original color is **73.7032, 79.0762, 34.6712**, and **22.5037, 21.9053, 4.2704** is the 20% darker color. If you saturate the color by 10%, you get **44.9385, 43.3675, 10.3753**, and if you desaturate by 10%, it is **49.6857, 50.0922, 20.4963**.

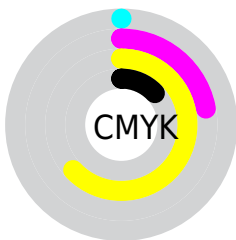
Distribution



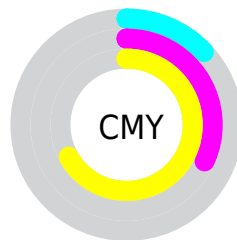
- Red (87%)
- Green (68%)
- Blue (33%)



- Red (62%)
- Yellow (87%)
- Blue (33%)



- Cyan (0%)
- Magenta (22%)
- Yellow (63%)
- Black (13%)



- Cyan (13%)
- Magenta (32%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1288, 46.5846, 14.6914 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 47.1288, 46.5846, 14.6914 by changing the saturation by 10% instead.

47.1288, 46.5846,
14.6914

47.1288, 46.5846,
14.6914

365.9687,
373.1540, 233.0667

33.3459, 32.7074,
8.4589

85.1234, 85.0932,
35.0455

22.5520, 21.9024,
4.2980

110.0658,
110.4934, 50.0042

14.3820, 13.7852,
1.7902

139.4587,
140.5034, 68.7086

8.4703, 7.9714,
0.4215

173.6675,
175.5076, 91.5774

4.4516, 4.0767,
0.0000

213.0576,
215.8903, 119.0291

1.9607, 1.7165,
0.0000

257.9942,

0.6117, 0.4343,

262.0361, 151.4822

0.0000

308.8428,
314.3291, 189.3552

■ 0.0000, 0.0000,
0.0000

■ 47.1288, 46.5846,
14.6914

■ 47.1288, 46.5846,
14.6914

■ 44.9385, 43.3675,
10.3753

■ 49.6857, 50.0922,
20.4963

■ 43.0825, 40.4201,
7.3991

■ 52.6314, 53.8960,
27.9142

■ 41.5269, 37.7282,
5.5878

■ 55.9898, 58.0095,
37.0590

■ 40.5503, 35.9259,
4.7972

■ 59.7817, 62.4434,
48.0337

■ 64.0263, 67.2074,
60.9331

■ 68.7417, 72.3109,
75.8453

■ 73.9447, 77.7627,
92.8530

■ 78.6032, 83.1519,
106.5148

■ 80.9051, 87.7556,
107.2821

Harmonies

Analogous

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



56.6923, 46.5846, 19.9965



47.1288, 46.5846, 14.6914



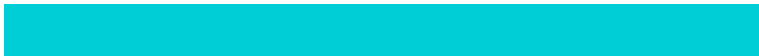
38.0262, 46.5846, 15.9976

Triad

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



47.1288, 46.5846, 14.6914



29.3862, 46.5846, 71.9639



60.0166, 46.5846, 90.9086

Complementary

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



47.1288, 46.5846, 14.6914



25.1375, 23.6683, 73.0552

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.



51.1784, 46.5846, 116.4773



47.1288, 46.5846, 14.6914



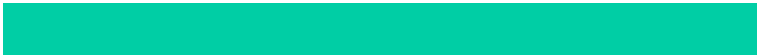
33.8215, 46.5846, 103.1045

Square

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



47.1288, 46.5846, 14.6914



28.6226, 46.5846, 43.1384



41.5431, 46.5846, 121.5972



64.7984, 46.5846, 59.1477

Rectangle

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



47.1288, 46.5846, 14.6914



33.3477, 46.5846, 20.7417



41.5431, 46.5846, 121.5972



57.3668, 46.5846, 100.9231

Sweetspot

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



47.1299, 46.5869, 14.6923



83.0350, 86.9179, 71.1439



37.6897, 23.5408, 24.3877



17.4289, 18.2136, 14.1956



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.



47.1299, 46.5869, 14.6923



60.1565, 57.6236, 12.7652



52.3061, 65.9562, 18.1582



14.4470, 15.1800, 14.4754



23.9528, 21.3435, 2.8573



1.7433, 1.6454, 0.2257

Inverse Universe

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



25.1375, 23.6683, 73.0552



28.2215, 24.4484, 97.8393



22.1218, 14.4578, 71.4363



13.3424, 14.0240, 17.3914



9.5312, 6.5319, 41.8068



0.7426, 0.6167, 2.9251

Previews

White Background



This preview shows how the XYZ color 47.1288, 46.5846, 14.6914 looks on a white background.

Color Contrast Check

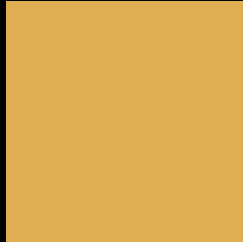
Large Text (above 18pt) WCAG AA × Fail

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 47.1288, 46.5846, 14.6914 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 47.1288, 46.5846, 14.6914

Background



This preview shows how black text looks on a background with the XYZ color 47.1288, 46.5846, 14.6914.



This preview shows how white text looks on a background with the XYZ color 47.1288, 46.5846,

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

47.1288, 46.5846, 14.6914

Protanopia

42.7648, 46.6843, 15.5611

Deuteranopia

47.5562, 46.5192, 14.6562



Tritanopia

53.7451, 46.5085, 47.2187

Trichromacy



Original Color

47.1288, 46.5846, 14.6914

Protanomaly

44.3381, 46.5977, 15.2517

Deuteranomaly

47.2454, 46.3590, 14.6417

Tritanomaly

50.5637, 46.2892, 31.8609

Monochromacy



Original Color

47.1288, 46.5846, 14.6914

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

42.9282, 44.8968, 32.3900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1288, 46.5846, 14.6914 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, 174, 83)` looks like.

```
.text, #text, p{  
    color:rgb(223, 174, 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, 174, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 174, 83) }
```

Border

The CSS property to change the border of an element to XYZ 47.1288, 46.5846, 14.6914 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, 174, 83) }
```


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

```
.border{ border-color:rgb(223, 174, 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, 174, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 174, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 174, 83);  
box-shadow:4px 4px 4px 4px rgb(223, 174,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1288, 46.5846, 14.6914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 174, 83) }
```

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

```
.background{ background-color: rgb(223,  
174, 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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