Converting Colors

XYZ(47.6130, 48.3447, 24.1184)

Have a look what the booklet for XYZ(47.6130, 48.3447, 24.1184) contains.

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Color

XYZ(47.6754, 48.4215, 24.2863)

Conversions

Conversions Part 1

Format	Color
Hex	D7B477
RGB	215, 180, 119
RGB Percent	84%, 71%, 47%
CMY	0.1569, 0.2941, 0.5333
CMYK	0.00, 0.16, 0.45, 0.16
HSL	38°, 55%, 65%
HSV	38°, 45%, 84%
XYZ	47.6754, 48.4215, 24.2863
YIQ	183.5110, 40.4410, -11.5510

Conversions

Conversions Part 2

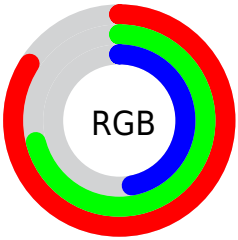
Format	Color
RYB	174, 215, 119
Decimal	14136439
CIELab	75.09, 4.64, 35.76
CIELCh	75, 36.060, 82.602
Yxy	48.4215, 0.3960, 0.4022
Android (android.graphics.Color)	4292326519 (0xFFD7B477)
YUV	183.5110, -31.8039, 27.6159
Hunter-Lab	69.5856, 0.5216, 28.0169

Details

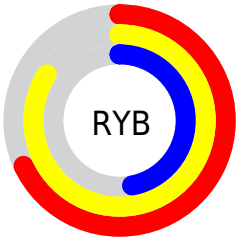
The XYZ color 47.6754, 48.4215, 24.2863 is a light color, and the websafe version is hex CC9966. A complement of this color would be 31.4288, 31.9384, 68.7982, and the grayscale version is 45.4454, 47.8121, 52.0674.

A 20% lighter version of the original color is 78.6818, 84.2295, 51.1407, and 22.7641, 22.8775, 8.8462 is the 20% darker color. If you saturate the color by 10%, you get 44.9900, 44.8886, 17.7255, and if you desaturate by 10%, it is 50.7448, 52.2548, 32.4171.

Distribution

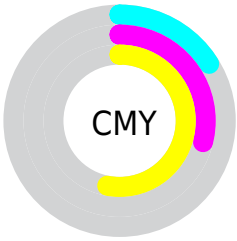


- Red (84%)
- Green (71%)
- Blue (47%)



- Red (68%)
- Yellow (84%)
- Blue (47%)

- Cyan (0%)
- Magenta (16%)
- Yellow (45%)
- Black (16%)



- Cyan (16%)
- Magenta (29%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6754, 48.4215, 24.2863 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 47.6754, 48.4215, 24.2863 by changing the saturation by 10% instead.

47.6754, 48.4215, 24.2863

47.6754, 48.4215, 24.2863

368.1081, 380.4604, 287.5978

33.7801, 34.1608, 15.3320

85.9335, 87.8316, 51.4467

22.8868, 23.0172, 8.9035

111.0271, 113.7499, 70.4898

14.6302, 14.6062, 4.5823

140.5840, 144.3227, 93.7329

8.6449, 8.5435, 1.9499

174.9698, 179.9346, 121.5946

4.5655, 4.4446, 0.5242

214.5498, 220.9700, 154.4934

2.0268, 1.9253, 0.0000

259.6892,

0.6489, 0.5635,

267.8131, 192.8479

0.0000

310.7535, 320.8485, 237.0765

0.0000, 0.0000, 0.0000

47.6754, 48.4215, 24.2863

47.6754, 48.4215, 24.2863

44.9900, 44.8886, 17.7255

50.7448, 52.2548, 32.4171

42.6636, 41.6383, 12.6262

54.2140, 56.3916, 42.2106

40.6734, 38.6609, 8.8707

58.1024, 60.8438, 53.7559

38.9919, 35.9430, 6.3216

62.4267, 65.6202, 67.1346

37.5858, 33.4686, 4.8112

67.2026, 70.7294, 82.4233

36.9168, 32.2321, 4.2757

72.4453, 76.1792, 99.6943

75.7448, 81.0080, 106.2517

78.0367, 85.5919, 107.0157

80.4288, 90.3760, 107.8130

Harmonies

Analogous

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

54.1625, 48.4215, 28.8142

47.6754, 48.4215, 24.2863

41.3196, 48.4215, 25.8000

Triad

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

47.6754, 48.4215, 24.2863

35.2809, 48.4215, 67.9481

56.8501, 48.4215, 77.9987

Complementary

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

47.6754, 48.4215, 24.2863

31.4288, 31.9384, 68.7982

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.

51.0708, 48.4215, 93.8595

47.6754, 48.4215, 24.2863

38.7431, 48.4215, 87.1568

Square

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

47.6754, 48.4215, 24.2863

34.5585, 48.4215, 48.1834

44.4096, 48.4215, 97.5600

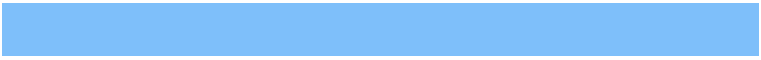
59.7785, 48.4215, 57.5387

Rectangle

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

47.6754, 48.4215, 24.2863

37.9621, 48.4215, 30.2543



44.4096, 48.4215, 97.5600

55.1515, 48.4215, 84.2272

Sweetspot

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

47.6766, 48.4238, 24.2873

86.4301, 90.5766, 81.9296

40.4709, 29.9810, 34.3137

18.2103, 19.0624, 16.6571

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.

47.6766, 48.4238, 24.2873

66.2530, 66.1203, 26.1928

52.0417, 62.5173, 26.7775

13.0745, 13.7232, 13.1205

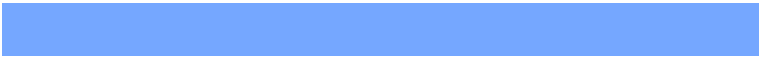
22.1848, 19.4868, 2.5921

1.4156, 1.3304, 0.1822

Inverse Universe

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

31.4288, 31.9384, 68.7982



39.3363, 38.8423, 100.0318

28.3475, 22.9900, 67.2334

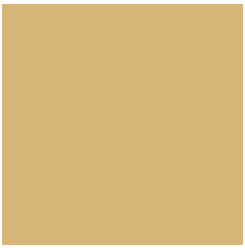
12.1096, 12.7425, 15.7588

9.0743, 6.4104, 39.2122

0.6249, 0.5418, 2.3909

Previews

White Background

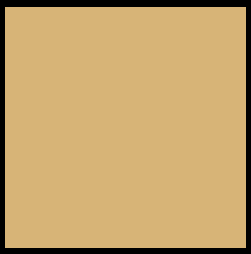


This preview shows how the XYZ color 47.6754, 48.4215, 24.2863 looks on a white background.

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



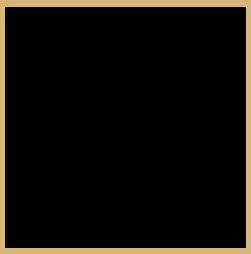
This preview shows how the XYZ color 47.6754, 48.4215, 24.2863 looks on a black background.

Color Contrast Check

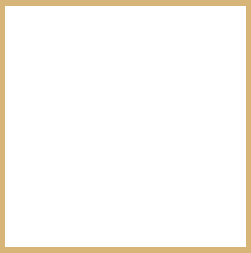
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

XYZ 47.6754, 48.4215, 24.2863 Background



This preview shows how black text looks on a background with the XYZ color 47.6754, 48.4215, 24.2863.



This preview shows how white text looks on a background with the XYZ color 47.6754, 48.4215,

24.2863.

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

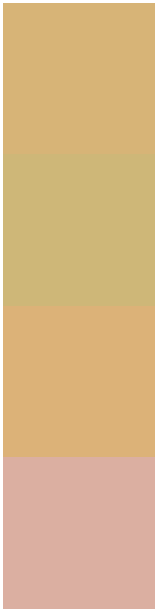
Original Color
47.6754, 48.4215, 24.2863

Protanopia
44.8875, 48.4959, 25.0840

Deuteranopia
49.5437, 48.4883, 24.5172

Tritanopia
53.3283, 48.3800, 52.4265

Trichromacy



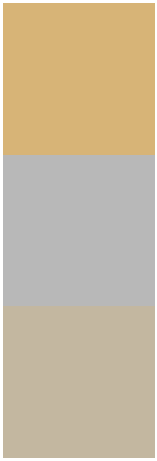
Original Color
47.6754, 48.4215, 24.2863

Protanomaly
45.7772, 48.3449, 24.6881

Deuteranomaly
48.8258, 48.4125, 24.5405

Tritanomaly
50.9764, 48.2932, 40.3530

Monochromacy



Original Color
47.6754, 48.4215, 24.2863

Achromatopsia
45.5594, 47.9320, 52.1980

Achromatomaly
45.7843, 48.0071, 40.1109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6754, 48.4215, 24.2863 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(215, 180, 119) looks like.

```
.text, #text, p{
    color:rgb(215, 180, 119)
}
```

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(215, 180, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 180, 119) }
```

Border

The CSS property to change the border of an element to XYZ 47.6754, 48.4215, 24.2863 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(215, 180, 119) }
```

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

```
.border{ border-color:rgb(215, 180, 119) }
```

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

Here you see how a box with a 4 pixel rgb(215, 180, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 180, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 180, 119); box-shadow:4px 4px 4px 4px rgb(215, 180, 119) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6754, 48.4215, 24.2863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(215, 180, 119) }
```

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

```
.background{ background-color:rgb(215,
180, 119) }
```

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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