

Converting Colors

XYZ(47.1502, 46.9672, 23.6016)

Have a look what the booklet for
XYZ(47.1502, 46.9672, 23.6016)
contains.

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Color

**XYZ(47.1143, 46.9576,
23.7201)**

Conversions

Conversions Part 1

Format	Color
Hex	D8B076
RGB	216, 176, 118
RGB Percent	85%, 69%, 46%
CMY	0.1529, 0.3098, 0.5372
CMYK	0.00, 0.19, 0.45, 0.15
HSL	36°, 56%, 65%
HSV	36°, 45%, 85%
XYZ	47.1143, 46.9576, 23.7201
YIQ	181.3480, 42.4580, -9.5580

Conversions

Conversions Part 2

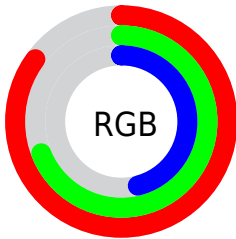
Format	Color
R_{YB}	186, 216, 118
Decimal	14200950
CIE Lab	74.16, 7.08, 35.11
CIE LCh	74, 35.817, 78.606
Yxy	46.9576, 0.4000, 0.3986
Android (android.graphics.Color)	4292391030 (0xFFD8B076)
YUV	181.3480, -31.2306, 30.3898
Hunter-Lab	68.5256, 2.8066, 27.4447

Details

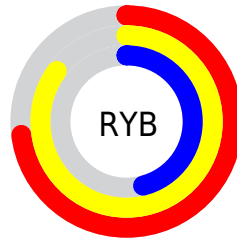
The XYZ color **47.1143, 46.9576, 23.7201** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.0924, 33.2620, 69.6945**, and the grayscale version is **44.2582, 46.5630, 50.7071**.

A 20% lighter version of the original color is **77.4473, 81.9135, 50.2571**, and **22.5491, 22.2036, 8.5661** is the 20% darker color. If you saturate the color by 10%, you get **44.3024, 43.1581, 17.1590**, and if you desaturate by 10%, it is **50.3347, 51.1037, 31.8684**.

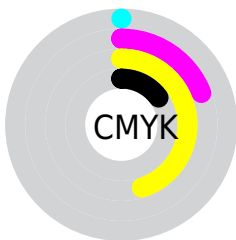
Distribution



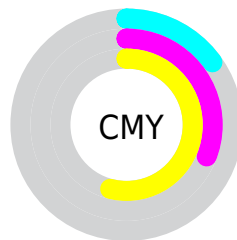
- Red (85%)
- Green (69%)
- Blue (46%)



- Red (73%)
- Yellow (85%)
- Blue (46%)



- Cyan (0%)
- Magenta (19%)
- Yellow (45%)
- Black (15%)



- Cyan (15%)
- Magenta (31%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1143, 46.9576, 23.7201 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 47.1143, 46.9576, 23.7201 by changing the saturation by 10% instead.

■ 47.1143, 46.9576,
23.7201

■ 47.1143, 46.9576,
23.7201

365.9119,
374.6453, 284.6432

■ 33.3343, 33.0021,
14.9158

■ 85.1019, 85.6503,
50.5111

■ 22.5432, 22.1281,
8.6144

■ 110.0403,
111.1564, 69.3350

■ 14.3754, 13.9510,
4.3972

■ 139.4288,
141.2814, 92.3358

■ 8.4657, 8.0866,
1.8457

173.6330,
176.4099, 119.9322

■ 4.4486, 4.1504,
0.4578

213.0179,
216.9261, 152.5425

■ 1.9589, 1.7581,
0.0000

257.9492,

■ 0.6107, 0.4608,

263.2144, 190.5854

0.0000

308.7921,
315.6594, 234.4795

■ 0.0000, 0.0000,
0.0000

■ 47.1143, 46.9576,
23.7201

■ 47.1143, 46.9576,
23.7201

■ 44.3024, 43.1581,
17.1590

■ 50.3347, 51.1037,
31.8684

■ 41.8731, 39.6861,
12.0744

■ 53.9806, 55.6011,
41.6986

■ 39.8024, 36.5303,
8.3458


■ 58.0721, 60.4628,
53.3015


■ 38.0615, 33.6755,
5.8323


■ 62.6268, 65.6990,
66.7602


■ 36.6154, 31.1042,
4.3611


■ 67.6613, 71.3194,
82.1528

 36.0182, 29.9974,
3.8917

 73.1914, 77.3333,
99.5527

 76.8598, 82.8007,
106.5389

 79.4854, 88.0520,
107.4141

 82.1289, 93.3389,
108.2953

Harmonies

Analogous

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



53.2988, 46.9576, 28.9351



47.1143, 46.9576, 23.7201



40.8092, 46.9576, 24.4163

Triad

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



47.1143, 46.9576, 23.7201



33.9284, 46.9576, 63.2539



54.5439, 46.9576, 78.2387

Complementary

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



47.1143, 46.9576, 23.7201



32.0924, 33.2620, 69.6945

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.



48.6859, 46.9576, 92.4691



47.1143, 46.9576, 23.7201



36.9593, 46.9576, 82.4876

Square

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



47.1143, 46.9576, 23.7201



33.5949, 46.9576, 44.4600



42.2381, 46.9576, 94.1876



57.8545, 46.9576, 58.4333

Rectangle

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



47.1143, 46.9576, 23.7201



37.3663, 46.9576, 28.1855



42.2381, 46.9576, 94.1876



52.7828, 46.9576, 84.0174

Sweetspot

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



47.1155, 46.9598, 23.7210



85.3526, 88.9641, 79.8983



41.0412, 30.0537, 36.3635



17.9752, 18.6990, 16.2499



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.



47.1155, 46.9598, 23.7210



64.8466, 63.3075, 25.7240



53.7916, 63.8056, 26.6207



13.0281, 13.6304, 13.1050



21.4276, 17.9725, 2.3397



1.3729, 1.2449, 0.1679

Inverse Universe

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



32.0924, 33.2620, 69.6945



40.4656, 41.1010, 100.4083



27.5024, 22.3636, 67.8328



12.1546, 12.8326, 15.7738



9.5095, 7.2807, 39.3573



0.6538, 0.5997, 2.4006

Previews

White Background



This preview shows how the XYZ color 47.1143, 46.9576, 23.7201 looks on a white background.

Color Contrast Check

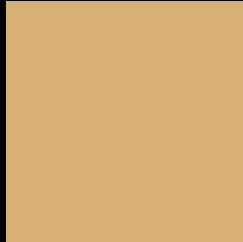
Large Text (above 18pt) WCAG AA × Fail

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 47.1143, 46.9576, 23.7201 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 47.1143, 46.9576, 23.7201

Background



This preview shows how black text looks on a background with the XYZ color 47.1143, 46.9576, 23.7201.

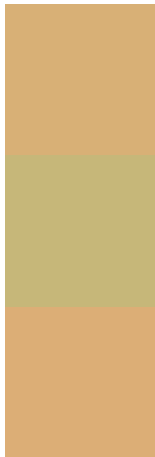


This preview shows how white text looks on a background with the XYZ color 47.1143, 46.9576,

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

47.1143, 46.9576, 23.7201

Protanopia

43.6734, 47.2532, 24.9081

Deuteranopia

47.9213, 46.7958, 23.6463



Tritanopia

52.4673, 46.8711, 49.9978

Trichromacy



Original Color

47.1143, 46.9576, 23.7201

Protanomaly

44.8883, 46.9777, 24.4710

Deuteranomaly

47.8134, 47.0280, 23.6968

Tritanomaly

50.2497, 46.8101, 38.7346

Monochromacy



Original Color

47.1143, 46.9576, 23.7201

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.5398, 46.1782, 38.9135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1143, 46.9576, 23.7201 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(216, 176, 118)` looks like.

```
.text, #text, p{  
    color:rgb(216, 176, 118)  
}
```

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(216, 176, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 176, 118) }
```

Border

The CSS property to change the border of an element to XYZ 47.1143, 46.9576, 23.7201 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(216, 176, 118) }
```


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

```
.border{ border-color:rgb(216, 176, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 176, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 176, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 176, 118);  
box-shadow:4px 4px 4px 4px rgb(216, 176,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1143, 46.9576, 23.7201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 176, 118) }
```

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

```
.background{ background-color: rgb(216,  
176, 118) }
```

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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