

# Converting Colors

XYZ(42.6004, 42.6386, 17.3971)

Have a look what the booklet for  
XYZ(42.6004, 42.6386, 17.3971)  
contains.

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# Color

**XYZ(42.6401, 42.7943,  
17.3220)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1A961
RGB	209, 169, 97
RGB Percent	82%, 66%, 38%
CMY	0.1804, 0.3372, 0.6196
CMYK	0.00, 0.19, 0.54, 0.18
HSL	39°, 55%, 60%
HSV	39°, 54%, 82%
XYZ	42.6401, 42.7943, 17.3220
YIQ	172.7520, 46.9520, -13.9120

# Conversions

## Conversions Part 2

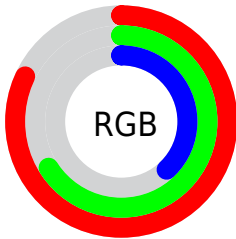
Format	Color
<b>RYB</b>	159, 209, 97
Decimal	13740385
CIELab	71.42, 5.97, 42.35
CIELCh	71, 42.765, 81.970
Yxy	42.7943, 0.4150, 0.4165
Android (android.graphics.Color)	4291930465 (0xFFD1A961)
YUV	172.7520, -37.3457, 31.7895
Hunter-Lab	65.4174, 1.8689, 30.0926

# Details

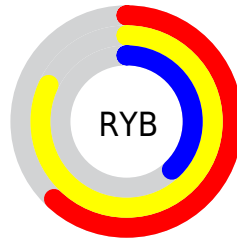
The XYZ color **42.6401, 42.7943, 17.3220** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **25.3836, 25.0351, 63.8157**, and the grayscale version is **39.7625, 41.8332, 45.5564**.

A 20% lighter version of the original color is **73.3205, 76.7412, 39.3819**, and **19.8437, 19.6114, 5.5358** is the 20% darker color. If you saturate the color by 10%, you get **40.4423, 39.7581, 12.3987**, and if you desaturate by 10%, it is **45.1760, 46.0958, 23.6254**.

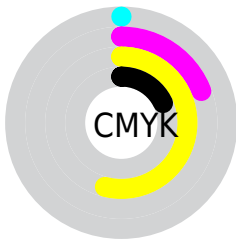
# Distribution



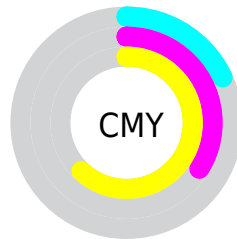
- Red (82%)
- Green (66%)
- Blue (38%)



- Red (62%)
- Yellow (82%)
- Blue (38%)



- Cyan (0%)
- Magenta (19%)
- Yellow (54%)
- Black (18%)



- Cyan (18%)
- Magenta (34%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6401, 42.7943, 17.3220 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 42.6401, 42.7943, 17.3220 by changing the saturation by 10% instead.



■ 42.6401, 42.7943,  
17.3220

■ 42.6401, 42.7943,  
17.3220

348.0762,  
357.7651, 249.1277

■ 29.7961, 29.7238,  
10.3000

■ 78.4266, 79.4004,  
39.6768

■ 19.8312, 19.6290,  
5.4901

■ 102.0998,  
103.7047, 55.8466

■ 12.3799, 12.1257,  
2.4739

■ 130.1135,  
132.5223, 75.9028

■ 7.0770, 6.8293,  
0.8263

■ 162.8330,  
166.2378, 100.2638

■ 3.5571, 3.3556,  
0.0000

200.6236,  
205.2354, 129.3483

■ 1.4547, 1.3201,  
0.0000

243.8508,

■ 0.2947, 0.1567,

249.8996, 163.5747

0.0000

292.8799,  
300.6147, 203.3617

■ 0.0000, 0.0000,  
0.0000

■ 42.6401, 42.7943,  
17.3220

■ 42.6401, 42.7943,  
17.3220

■ 40.4423, 39.7581,  
12.3987

■ 45.1760, 46.0958,  
23.6254

■ 38.5574, 36.9703,  
8.7437

■ 48.0665, 49.6663,  
31.4035

■ 36.9615, 34.4206,  
6.2321

■ 51.3306, 53.5172,  
40.7456

■ 35.6243, 32.0947,  
4.7118

■ 54.9850, 57.6570,  
51.7331

■ 34.8702, 30.7069,  
4.0892

■ 59.0451, 62.0938,  
64.4416

■ 63.5254, 66.8353,  
78.9423

■ 68.4398, 71.8889,  
95.3019

■ 72.2841, 76.6546,  
105.5938

■ 74.3903, 80.8672,  
106.2959

# Harmonies

## Analogous

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



49.8175, 42.7943, 21.8154



42.6401, 42.7943, 17.3220



35.7101, 42.7943, 18.6424

# Triad

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



42.6401, 42.7943, 17.3220



29.1354, 42.7943, 63.0662



52.5882, 42.7943, 75.5519

# Complementary

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



42.6401, 42.7943, 17.3220



25.3836, 25.0351, 63.8157

# 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.



46.0793, 42.7943, 93.9074



42.6401, 42.7943, 17.3220



32.7251, 42.7943, 85.3420

# Square

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



42.6401, 42.7943, 17.3220



28.4444, 42.7943, 41.2720



38.7706, 42.7943, 97.9392



55.9874, 42.7943, 52.3587



# Rectangle

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



42.6401, 42.7943, 17.3220



32.0981, 42.7943, 22.8897



38.7706, 42.7943, 97.9392



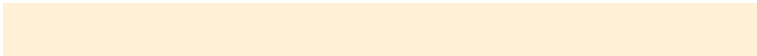
50.6573, 42.7943, 82.7443

# Sweetspot

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



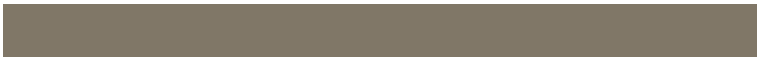
42.6411, 42.7964, 17.3229



84.6901, 88.6992, 76.4093



35.1616, 23.9419, 26.8385



17.8680, 18.6931, 15.5708



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.



42.6411, 42.7964, 17.3229



63.0662, 61.8355, 18.6909



47.2233, 57.9419, 20.0047



12.4335, 13.0577, 12.4771



21.5961, 19.1253, 2.5533



1.2810, 1.2164, 0.1673

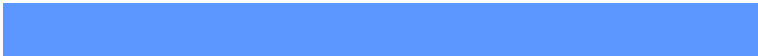


# Inverse Universe

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



25.3836, 25.0351, 63.8157



33.3625, 31.3227, 98.8952



22.4573, 16.5937, 62.3406



11.5042, 12.0987, 14.9726



8.7169, 6.0805, 37.9067



0.5616, 0.4883, 2.1442



# Previews

## White Background



This preview shows how the XYZ color 42.6401, 42.7943, 17.3220 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

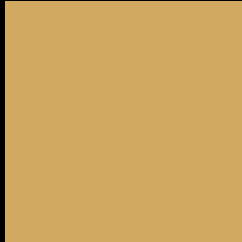
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.6401, 42.7943, 17.3220 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 42.6401, 42.7943, 17.3220**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.6401, 42.7943, 17.3220.



This preview shows how white text looks on a background with the XYZ color 42.6401, 42.7943,



# 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

42.6401, 42.7943, 17.3220

### Protanopia

39.3203, 42.7673, 17.9869

### Deuteranopia

43.7079, 42.7966, 17.2662



## Tritanopia

48.3361, 42.7191, 44.7277

# Trichromacy



## Original Color

42.6401, 42.7943, 17.3220

## Protanomaly

40.4369, 42.7747, 17.6804

## Deuteranomaly

43.3117, 42.8654, 17.3003

## Tritanomaly

45.6486, 42.3849, 32.5632

# Monochromacy



## Original Color

42.6401, 42.7943, 17.3220

## Achromatopsia

39.7200, 41.7885, 45.5077

## Achromatomaly

40.1131, 41.9885, 32.7785

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.6401, 42.7943, 17.3220 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(209, 169, 97)` looks like.

```
.text, #text, p{  
    color:rgb(209, 169, 97)  
}
```

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(209, 169, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 169, 97) }
```

## Border

The CSS property to change the border of an element to XYZ 42.6401, 42.7943, 17.3220 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(209, 169, 97) }
```



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

```
.border{ border-color:rgb(209, 169, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 169, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 169, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 169, 97);  
box-shadow:4px 4px 4px 4px rgb(209, 169,  
97) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.6401, 42.7943, 17.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 169, 97) }
```

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

```
.background{ background-color: rgb(209,  
169, 97) }
```

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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