

# Converting Colors

XYZ(42.5682, 46.4557, 15.2284)

Have a look what the booklet for  
XYZ(42.5682, 46.4557, 15.2284)  
contains.

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# Color

**XYZ(42.7248, 46.6683,  
15.3504)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAB655
RGB	202, 182, 85
RGB Percent	79%, 71%, 33%
CMY	0.2078, 0.2863, 0.6667
CMYK	0.00, 0.10, 0.58, 0.21
HSL	50°, 52%, 56%
HSV	50°, 58%, 79%
XYZ	42.7248, 46.6683, 15.3504
YIQ	176.9220, 43.0570, -25.9270

# Conversions

## Conversions Part 2

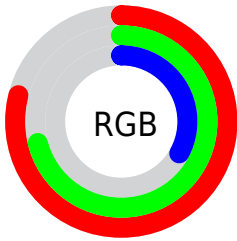
Format	Color
<a href="#">RYB</a>	<a href="#">109, 202, 85</a>
Decimal	<a href="#">13284949</a>
<a href="#">CIELab</a>	<a href="#">73.98, -4.82, 51.04</a>
<a href="#">CIElCh</a>	<a href="#">74, 51.268, 95.390</a>
<a href="#">Yxy</a>	<a href="#">46.6683, 0.4079, 0.4455</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4291475029 (0xFFCAB655)</a>
<a href="#">YUV</a>	<a href="#">176.9220, -45.3175, 21.9934</a>
<a href="#">Hunter-Lab</a>	<a href="#">68.3142, -7.9131, 34.4973</a>

# Details

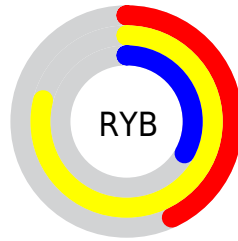
The XYZ color **42.7248, 46.6683, 15.3504** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **19.4585, 16.2983, 57.9973**, and the grayscale version is **41.9647, 44.1501, 48.0794**.

A 20% lighter version of the original color is **76.4020, 84.2440, 36.2787**, and **19.7880, 21.8245, 4.5361** is the 20% darker color. If you saturate the color by 10%, you get **41.3362, 44.9972, 11.4778**, and if you desaturate by 10%, it is **44.3621, 48.4702, 20.4369**.

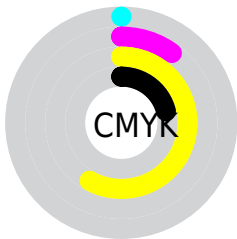
# Distribution



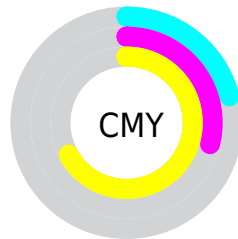
- Red (79%)
- Green (71%)
- Blue (33%)



- Red (43%)
- Yellow (79%)
- Blue (33%)



- Cyan (0%)
- Magenta (10%)
- Yellow (58%)
- Black (21%)




- Cyan (21%)
- Magenta (29%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7248, 46.6683, 15.3504 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 42.7248, 46.6683, 15.3504 by changing the saturation by 10% instead.





 42.7248, 46.6683,  
15.3504


 42.7248, 46.6683,  
15.3504


348.4195,  
373.4890, 237.1908


 29.8628, 32.7735,  
8.9163


 78.5537, 85.2183,  
36.2177


 19.8821, 21.9530,  
4.5906


 102.2514,  
110.6423, 51.4880

 12.4171, 13.8224,  
1.9546


 130.2916,  
140.6781, 70.5407

 7.1026, 7.9972,  
0.5272

 163.0399,  
175.7102, 93.7945

 3.5733, 4.0932,  
0.0000

 200.8614,  
216.1229, 121.6679

 1.4637, 1.7258,  
0.0000

244.1216,

 0.3009, 0.4403,

262.3007, 154.5794

0.0000

293.1859,  
314.6279, 192.9475

■ 0.0000, 0.0000,  
0.0000

■ 42.7248, 46.6683,  
15.3504

■ 42.7248, 46.6683,  
15.3504

■ 41.3362, 44.9972,  
11.4778

■ 44.3621, 48.4702,  
20.4369

■ 40.1727, 43.4422,  
8.7106

■ 46.2627, 50.4038,  
26.8278

■ 39.2119, 41.9957,  
6.9256

■ 48.4437, 52.4778,  
34.6084

■ 38.4191, 40.6437,  
5.9408

■ 50.9199, 54.6984,  
43.8557

■ 38.2636, 40.3696,  
5.7754

■ 53.7050, 57.0712,  
54.6412

■ 56.8117, 59.6015,  
67.0317

■ 60.2522, 62.2943,  
81.0900

■ 64.0378, 65.1544,  
96.8755

■ 66.2201, 67.4025,  
104.1276

# Harmonies

## Analogous

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



52.0929, 46.6683, 17.3950



42.7248, 46.6683, 15.3504



34.9293, 46.6683, 19.8151

# Triad

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



42.7248, 46.6683, 15.3504



31.5063, 46.6683, 85.9305



62.3487, 46.6683, 74.8129

# Complementary

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



42.7248, 46.6683, 15.3504



19.4585, 16.2983, 57.9973

# 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.



55.3442, 46.6683, 103.9420



42.7248, 46.6683, 15.3504



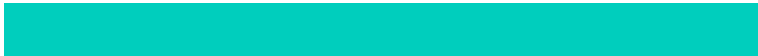
37.4273, 46.6683, 111.7561

# Square

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



42.7248, 46.6683, 15.3504



29.0476, 46.6683, 55.6948



46.0299, 46.6683, 119.2812



64.2756, 46.6683, 46.2267



# Rectangle

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



42.7248, 46.6683, 15.3504



31.3970, 46.6683, 27.2347



46.0299, 46.6683, 119.2812



60.4669, 46.6683, 85.1350

# Sweetspot

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



42.7259, 46.6705, 15.3513



86.5215, 92.8797, 75.4235



30.2309, 20.1040, 16.0464



18.3259, 19.7110, 15.4091



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.



42.7259, 46.6705, 15.3513



69.3508, 75.3664, 17.8210



38.2671, 50.8910, 16.4010



11.9844, 12.7577, 11.9103



24.6795, 26.0920, 3.7355



1.3174, 1.4345, 0.2074



# Inverse Universe

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



19.4585, 16.2983, 57.9973



26.3286, 19.2936, 96.9441



21.9428, 14.9031, 57.5971



10.7541, 11.1487, 14.1555



7.2831, 3.5901, 36.2654



0.4249, 0.2835, 1.8873



# Previews

## White Background



This preview shows how the XYZ color 42.7248, 46.6683, 15.3504 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

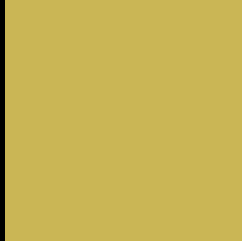
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.7248, 46.6683, 15.3504 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 42.7248, 46.6683, 15.3504**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.7248, 46.6683, 15.3504.



This preview shows how white text looks on a background with the XYZ color 42.7248, 46.6683,



# 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

42.7248, 46.6683, 15.3504

### Protanopia

42.7248, 46.6683, 15.3504

### Deuteranopia

47.4043, 46.4226, 15.4788



## Tritanopia

50.1838, 46.4775, 52.2250

# Trichromacy



## Original Color

42.7248, 46.6683, 15.3504

## Protanomaly

42.7248, 46.6683, 15.3504

## Deuteranomaly

45.5240, 46.3215, 15.3457

## Tritanomaly

46.7672, 46.2398, 34.8940

# Monochromacy



## Original Color

42.7248, 46.6683, 15.3504

## Achromatopsia

41.7894, 43.9657, 47.8787

## Achromatomaly

41.4038, 44.6929, 32.8299

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.7248, 46.6683, 15.3504 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(202, 182, 85)` looks like.

```
.text, #text, p{  
    color:rgb(202, 182, 85)  
}
```

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(202, 182, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 182, 85) }
```

## Border

The CSS property to change the border of an element to XYZ 42.7248, 46.6683, 15.3504 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(202, 182, 85) }
```



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

```
.border{ border-color:rgb(202, 182, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 182, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 182, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 182, 85);  
box-shadow:4px 4px 4px 4px rgb(202, 182,  
85) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.7248, 46.6683, 15.3504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 182, 85) }
```

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

```
.background{ background-color: rgb(202,  
182, 85) }
```

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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