

Converting Colors

XYZ(42.6464, 46.6370, 14.9377)

Have a look what the booklet for
XYZ(42.6464, 46.6370, 14.9377)
contains.

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Color

**XYZ(42.6464, 46.6370,
14.9377)**

Conversions

Conversions Part 1

Format	Color
Hex	CAB653
RGB	202, 182, 83
RGB Percent	79%, 71%, 33%
CMY	0.2078, 0.2863, 0.6745
CMYK	0.00, 0.10, 0.59, 0.21
HSL	50°, 53%, 56%
HSV	50°, 59%, 79%
XYZ	42.6464, 46.6370, 14.9377
YIQ	176.6940, 43.6990, -26.5490

Conversions

Conversions Part 2

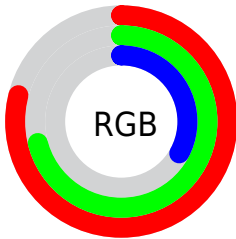
Format	Color
RYB	107, 202, 83
Decimal	13284947
CIELab	73.96, -4.96, 51.95
CIELCh	74, 52.184, 95.458
Yxy	46.6370, 0.4092, 0.4475
Android (android.graphics.Color)	4291475027 (0xFFCAB653)
YUV	176.6940, -46.1911, 22.1934
Hunter-Lab	68.2913, -8.0404, 34.8351

Details

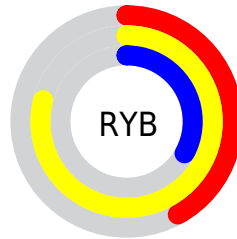
The XYZ color **42.6464, 46.6370, 14.9377** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **19.0780, 15.8032, 57.9216**, and the grayscale version is **41.8490, 44.0284, 47.9469**.

A 20% lighter version of the original color is **76.2585, 84.1866, 35.5229**, and **19.7617, 21.8140, 4.3973** is the 20% darker color. If you saturate the color by 10%, you get **41.2910, 44.9978, 11.1829**, and if you desaturate by 10%, it is **44.2480, 48.4052, 19.8963**.

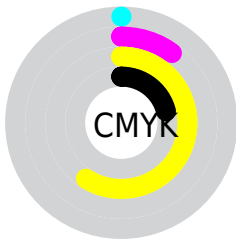
Distribution



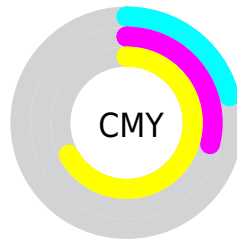
- Red (79%)
- Green (71%)
- Blue (33%)



- Red (42%)
- Yellow (79%)
- Blue (33%)



- Cyan (0%)
- Magenta (10%)
- Yellow (59%)
- Black (21%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6464, 46.6370, 14.9377 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 42.6464, 46.6370, 14.9377 by changing the saturation by 10% instead.


 42.6464, 46.6370,
14.9377


 42.6464, 46.6370,
14.9377


348.1018,
373.3637, 234.6166


 29.8011, 32.7488,
8.6295


 78.4360, 85.1715,
35.4846

 19.8350, 21.9341,
4.4068


 102.1111,
110.5866, 50.5604


 12.3827, 13.8085,
1.8511

 130.1267,
140.6128, 69.3959

 7.0789, 7.9876,
0.4613

 162.8484,
175.6344, 92.4095

 3.5583, 4.0870,
0.0000

 200.6413,
216.0360, 120.0199

 1.4554, 1.7223,
0.0000

243.8710,

 0.2952, 0.4381,

262.2018, 152.6455

0.0000

292.9027,
314.5162, 190.7049

■ 0.0000, 0.0000,
0.0000

■ 42.6464, 46.6370,
14.9377

■ 42.6464, 46.6370,
14.9377

■ 41.2910, 44.9978,
11.1829

■ 44.2480, 48.4052,
19.8963

■ 40.1581, 43.4726,
8.5220

■ 46.1106, 50.3031,
26.1505

■ 39.2247, 42.0538,
6.8294

■ 48.2516, 52.3397,
33.7860

■ 38.4511, 40.7254,
5.8974

■ 50.6857, 54.5211,
42.8807

■ 38.3706, 40.5836,
5.8111

■ 53.4268, 56.8529,
53.5065

■ 56.4878, 59.3406,
65.7307

■ 59.8806, 61.9891,
79.6164

■ 63.6169, 64.8032,
95.2235

■ 66.0887, 67.1398,
104.0838

Harmonies

Analogous

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



52.1841, 46.6370, 16.9687



42.6464, 46.6370, 14.9377



34.7343, 46.6370, 19.4264

Triad

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



42.6464, 46.6370, 14.9377



31.2888, 46.6370, 86.6951



62.6818, 46.6370, 75.1832

Complementary

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



42.6464, 46.6370, 14.9377



19.0780, 15.8032, 57.9216

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.



55.5410, 46.6370, 105.0172



42.6464, 46.6370, 14.9377



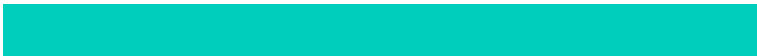
37.3012, 46.6370, 113.1316

Square

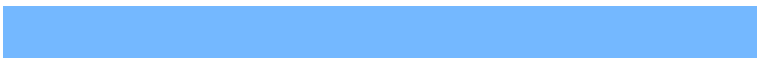
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



42.6464, 46.6370, 14.9377



28.7914, 46.6370, 55.8129



46.0513, 46.6370, 120.8010



64.6365, 46.6370, 46.0587

Rectangle

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



42.6464, 46.6370, 14.9377



31.1589, 46.6370, 26.9090



46.0513, 46.6370, 120.8010



60.7639, 46.6370, 85.7394

Sweetspot

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



42.6475, 46.6392, 14.9386



86.1099, 92.5661, 73.7151



29.9909, 19.7596, 15.5491



18.1573, 19.5731, 14.7385



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.



42.6475, 46.6392, 14.9386



69.2861, 75.3771, 17.3672



38.0572, 50.7917, 15.9821



11.9872, 12.7633, 11.9112



24.7477, 26.2284, 3.7582



1.3203, 1.4404, 0.2084

Inverse Universe

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



19.0780, 15.8032, 57.9216



25.8579, 18.6492, 96.8445



21.5952, 14.4934, 57.5362



10.7516, 11.1435, 14.1546



7.2717, 3.5674, 36.2616



0.4237, 0.2811, 1.8869

Previews

White Background



This preview shows how the XYZ color 42.6464, 46.6370, 14.9377 looks on a white background.

Color Contrast Check

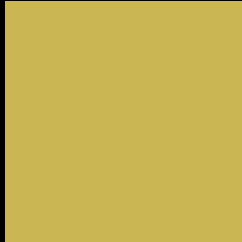
Large Text (above 18pt) WCAG AA × Fail

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 42.6464, 46.6370, 14.9377 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 42.6464, 46.6370, 14.9377

Background



This preview shows how black text looks on a background with the XYZ color 42.6464, 46.6370, 14.9377.



This preview shows how white text looks on a background with the XYZ color 42.6464, 46.6370,

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

42.6464, 46.6370, 14.9377

Protanopia

42.6464, 46.6370, 14.9377

Deuteranopia

47.6346, 46.5506, 15.0689



Tritanopia

50.0786, 46.4354, 51.6709

Trichromacy



Original Color

42.6464, 46.6370, 14.9377

Protanomaly

42.6464, 46.6370, 14.9377

Deuteranomaly

45.7408, 46.4425, 14.9410

Tritanomaly

46.6089, 46.1764, 34.0602

Monochromacy



Original Color

42.6464, 46.6370, 14.9377

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.3277, 44.6625, 32.4291

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6464, 46.6370, 14.9377 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, 83)` looks like.

```
.text, #text, p{  
    color:rgb(202, 182, 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(202, 182, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 182, 83) }
```

Border

The CSS property to change the border of an element to XYZ 42.6464, 46.6370, 14.9377 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, 83) }
```


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

```
.border{ border-color:rgb(202, 182, 83) }
```

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, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 182, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 182, 83);  
box-shadow:4px 4px 4px 4px rgb(202, 182,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6464, 46.6370, 14.9377 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, 83) }
```

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

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