

Converting Colors

XYZ(50.8700, 54.1650, 42.5253)

Have a look what the booklet for
XYZ(50.8700, 54.1650, 42.5253)
contains.

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Color

**XYZ(50.8045, 54.0653,
42.4083)**

Conversions

Conversions Part 1

Format	Color
Hex	CCC2A3
RGB	204, 194, 163
RGB Percent	80%, 76%, 64%
CMY	0.2000, 0.2392, 0.3608
CMYK	0.00, 0.05, 0.20, 0.20
HSL	45°, 29%, 72%
HSV	45°, 20%, 80%
XYZ	50.8045, 54.0653, 42.4083
YIQ	193.4560, 15.9110, -7.5210

Conversions

Conversions Part 2

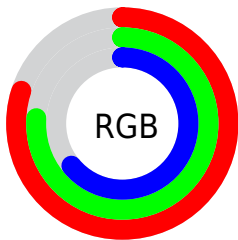
Format	Color
RYB	176, 204, 163
Decimal	13419171
CIELab	78.50, -1.55, 16.87
CIELCh	78, 16.943, 95.236
Yxy	54.0653, 0.3450, 0.3671
Android (android.graphics.Color)	4291609251 (0xFFCCC2A3)
YUV	193.4560, -15.0148, 9.2471
Hunter-Lab	73.5291, -5.3424, 17.2746

Details

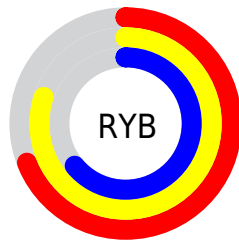
The XYZ color **50.8045, 54.0653, 42.4083** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.9467, 42.0324, 63.0820**, and the grayscale version is **51.0373, 53.6952, 58.4741**.

A 20% lighter version of the original color is **88.0805, 94.6932, 79.9649**, and **24.7885, 26.5870, 18.8642** is the 20% darker color. If you saturate the color by 10%, you get **48.0342, 51.2174, 33.1829**, and if you desaturate by 10%, it is **53.9096, 57.1101, 53.2013**.

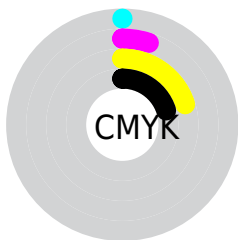
Distribution



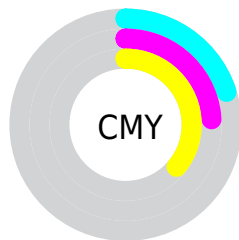
- Red (80%)
- Green (76%)
- Blue (64%)



- Red (69%)
- Yellow (80%)
- Blue (64%)



- Cyan (0%)
- Magenta (5%)
- Yellow (20%)
- Black (20%)





- Cyan (20%)
- Magenta (24%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8045, 54.0653, 42.4083 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 50.8045, 54.0653, 42.4083 by changing the saturation by 10% instead.


 50.8045, 54.0653,
42.4083


 50.8045, 54.0653,
42.4083


380.2039,
402.3590, 372.0222

 36.2735, 38.6539,
29.0932


 90.5504, 96.1701,
80.0939

 24.8166, 26.4906,
18.9051


 116.4960,
123.6323, 105.3016

 16.0684, 17.1910,
11.4256


146.9772,
155.8802, 135.3104

 9.6637, 10.3708,
6.2361

182.3593,
193.2982, 170.5390

 5.2371, 5.6455,
2.9181

223.0077,
236.2706, 211.4060

 2.4232, 2.6307,
1.0530

269.2876,

 0.8567, 0.9421,

285.1820, 258.3298

0.0000

321.5646,
340.4166, 311.7290

■ 0.0000, 0.0000,
0.0000

■ 50.8045, 54.0653,
42.4083

■ 50.8045, 54.0653,
42.4083

■ 48.0342, 51.2174,
33.1829

■ 53.9096, 57.1101,
53.2013

■ 45.5799, 48.5528,
25.4472

■ 57.3588, 60.3505,
65.6278

■ 43.4275, 46.0670,
19.1218

■ 61.1661, 63.7946,
79.7544

■ 41.5599, 43.7527,
14.1184

■ 65.3437, 67.4478,
95.6426

■ 39.9580, 41.6016,
10.3390

■ 68.2503, 70.6540,
104.6481

■ 38.6002, 39.6046,
7.6715

■ 69.5663, 73.2860,
105.0868

■ 37.4610, 37.7507,
5.9834

■ 70.9214, 75.9962,
105.5385

■ 36.5015, 36.0365,
5.0319

■ 72.3159, 78.7852,
106.0034

■ 73.7501, 81.6537,
106.4814

Harmonies

Analogous

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



54.1206, 54.0653, 43.7171



50.8045, 54.0653, 42.4083



47.7759, 54.0653, 45.1059

Triad

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



50.8045, 54.0653, 42.4083



46.3258, 54.0653, 70.1117



57.4329, 54.0653, 66.9006

Complementary

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



50.8045, 54.0653, 42.4083



40.9467, 42.0324, 63.0820

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.



55.1765, 54.0653, 75.1780



50.8045, 54.0653, 42.4083



48.7479, 54.0653, 77.1680

Square

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



50.8045, 54.0653, 42.4083



45.2626, 54.0653, 60.5597



51.9748, 54.0653, 79.1151



58.0413, 54.0653, 57.2079

Rectangle

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



50.8045, 54.0653, 42.4083



46.2976, 54.0653, 49.0050



51.9748, 54.0653, 79.1151



56.8373, 54.0653, 69.9726

Sweetspot

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



50.8059, 54.0677, 42.4094



91.5052, 96.6966, 96.0461



45.5667, 42.0593, 45.3794



19.5061, 20.6217, 20.2715



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.



50.8059, 54.0677, 42.4094



82.1387, 87.5131, 63.4838



50.3882, 57.2668, 43.0489



11.9131, 12.6152, 11.8865



23.0503, 22.8336, 3.1924



1.2461, 1.2919, 0.1837

Inverse Universe

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



40.9467, 42.0324, 63.0820



62.9787, 64.1267, 103.6661



41.2858, 39.4675, 62.5691



10.8202, 11.2808, 14.1775



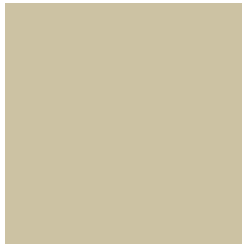
7.6327, 4.2893, 36.3819



0.4551, 0.3440, 1.8974

Previews

White Background



This preview shows how the XYZ color 50.8045, 54.0653, 42.4083 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 50.8045, 54.0653, 42.4083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

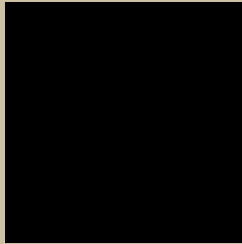
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

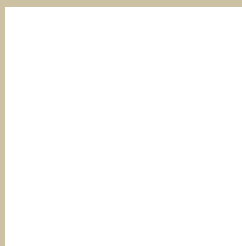
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.8045, 54.0653, 42.4083

Background



This preview shows how black text looks on a background with the XYZ color 50.8045, 54.0653, 42.4083.

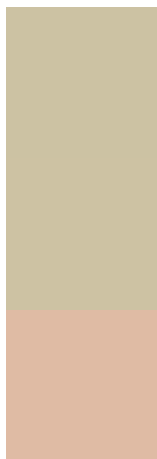


This preview shows how white text looks on a background with the XYZ color 50.8045, 54.0653,

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

50.8045, 54.0653, 42.4083

Protanopia

51.0795, 54.2071, 42.4212

Deuteranopia

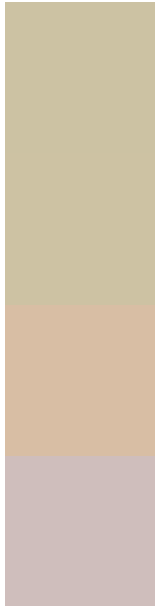
54.9026, 53.9090, 42.6337



Tritanopia

55.0572, 53.8335, 63.9890

Trichromacy



Original Color

50.8045, 54.0653, 42.4083

Protanomaly

51.0795, 54.2071, 42.4212

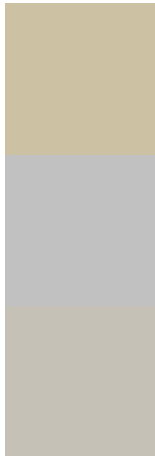
Deuteranomaly

53.4332, 54.1062, 42.7493

Tritanomaly

53.2227, 53.7231, 55.1414

Monochromacy



Original Color

50.8045, 54.0653, 42.4083

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.5394, 53.3876, 51.8971

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8045, 54.0653, 42.4083 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(204, 194, 163) looks like.

```
.text, #text, p{  
    color:rgb(204, 194, 163)  
}
```

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(204, 194, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 194, 163) }
```

Border

The CSS property to change the border of an element to XYZ 50.8045, 54.0653, 42.4083 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(204, 194, 163) }
```


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

```
.border{ border-color:rgb(204, 194, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 194, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 194, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 194, 163);  
box-shadow:4px 4px 4px 4px rgb(204, 194,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8045, 54.0653, 42.4083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 194, 163) }
```

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

```
.background{ background-color: rgb(204,  
194, 163) }
```

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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