

Converting Colors

XYZ(49.9756, 53.3024, 34.6603)

Have a look what the booklet for
XYZ(49.9756, 53.3024, 34.6603)
contains.

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Color

**XYZ(49.7701, 53.0400,
34.8087)**

Conversions

Conversions Part 1

Format	Color
Hex	CFC092
RGB	207, 192, 146
RGB Percent	81%, 75%, 57%
CMY	0.1882, 0.2470, 0.4274
CMYK	0.00, 0.07, 0.29, 0.19
HSL	45°, 39%, 69%
HSV	45°, 29%, 81%
XYZ	49.7701, 53.0400, 34.8087
YIQ	191.2410, 23.7060, -11.1260

Conversions

Conversions Part 2

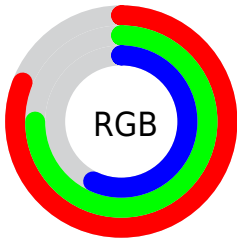
Format	Color
R _Y B	166, 207, 146
Decimal	13615250
CIE Lab	77.90, -1.73, 25.14
CIE LCh	78, 25.200, 93.931
Yxy	53.0400, 0.3617, 0.3854
Android (android.graphics.Color)	4291805330 (0xFFCFC092)
YUV	191.2410, -22.3038, 13.8206
Hunter-Lab	72.8286, -5.4654, 22.6421

Details

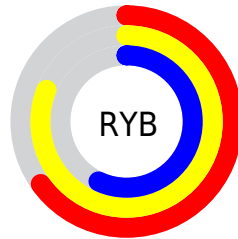
The XYZ color **49.7701, 53.0400, 34.8087** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.8612, 36.1048, 64.1105**, and the grayscale version is **49.7781, 52.3704, 57.0313**.

A 20% lighter version of the original color is **85.2327, 92.5649, 68.0182**, and **24.2471, 25.9669, 14.5606** is the 20% darker color. If you saturate the color by 10%, you get **47.2058, 50.2591, 26.7162**, and if you desaturate by 10%, it is **52.6673, 56.0196, 44.4518**.

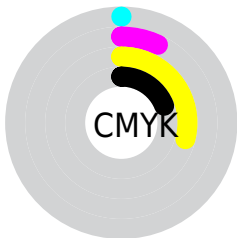
Distribution



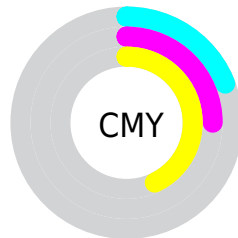
- Red (81%)
- Green (75%)
- Blue (57%)



- Red (65%)
- Yellow (81%)
- Blue (57%)



- Cyan (0%)
- Magenta (7%)
- Yellow (29%)
- Black (19%)





- Cyan (19%)
- Magenta (25%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7701, 53.0400, 34.8087 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 49.7701, 53.0400, 34.8087 by changing the saturation by 10% instead.


 49.7701, 53.0400,
34.8087

 49.7701, 53.0400,
34.8087


376.2331,
398.4386, 338.6017

 35.4478, 37.8347,
23.2332


 89.0280, 94.6632,
68.3375

 24.1762, 25.8544,
14.5589


 114.6944,
121.8499, 91.1279

 15.5898, 16.7148,
8.3672


144.8727,
153.7993, 118.4936

 9.3234, 10.0313,
4.2397


179.9286,
190.8956, 150.8533

 5.0115, 5.4197,
1.7577

220.2271,
233.5232, 188.6254

 2.2888, 2.4956,
0.3999

266.1339,

 0.7889, 0.8744,

282.0667, 232.2284

0.0000

318.0140,
336.9104, 282.0810

■ 0.0000, 0.0000,
0.0000

■ 49.7701, 53.0400,
34.8087

■ 49.7701, 53.0400,
34.8087

■ 47.2058, 50.2591,
26.7162

■ 52.6673, 56.0196,
44.4518

■ 44.9543, 47.6627,
20.0880

■ 55.9083, 59.1973,
55.7191

■ 42.9993, 45.2454,
14.8343

■ 59.5085, 62.5817,
68.6833

■ 41.3212, 42.9989,
10.8540

■ 63.4809, 66.1786,
83.4117

■ 39.8978, 40.9135,
8.0321

■ 67.8381, 69.9935,
99.9682

■ 38.7029, 38.9782,
6.2327

■ 70.0464, 73.0137,
105.0090

■ 37.6914, 37.1742,
5.2204

■ 71.4227, 75.7665,
105.4678

■ 37.6399, 37.0807,
5.1735

■ 72.8403, 78.6016,
105.9403

■ 74.2994, 81.5198,
106.4266

Harmonies

Analogous

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



54.6652, 53.0400, 36.7563



49.7701, 53.0400, 34.8087



45.3373, 53.0400, 38.1413

Triad

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



49.7701, 53.0400, 34.8087



42.9967, 53.0400, 74.1508



59.3533, 53.0400, 70.4318

Complementary

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



49.7701, 53.0400, 34.8087



35.8612, 36.1048, 64.1105

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.



55.8540, 53.0400, 83.1413



49.7701, 53.0400, 34.8087



46.3871, 53.0400, 85.5210

Square

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



49.7701, 53.0400, 34.8087



41.5901, 53.0400, 59.6202



51.0613, 53.0400, 89.0504



60.4028, 53.0400, 55.9223

Rectangle

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



49.7701, 53.0400, 34.8087



43.1781, 53.0400, 43.2846



51.0613, 53.0400, 89.0504



58.4138, 53.0400, 75.1286

Sweetspot

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



49.7715, 53.0424, 34.8098



89.7991, 95.0621, 89.9971



42.4666, 36.4058, 38.6234



19.0487, 20.1819, 18.6549



0.0000, 0.0000, 0.0000



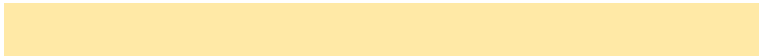
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.7715, 53.0424, 34.8098



77.2559, 82.3158, 47.7730



49.1765, 57.8751, 35.7740



12.5470, 13.2847, 12.5149



23.7924, 23.5178, 3.2854



1.3905, 1.4353, 0.2038

Inverse Universe

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



35.8612, 36.1048, 64.1105



51.6406, 51.1341, 101.7559



36.2903, 32.6665, 63.4243



11.3964, 11.8830, 14.9367



7.9018, 4.4501, 37.6350



0.5056, 0.3764, 2.1256

Previews

White Background



This preview shows how the XYZ color 49.7701, 53.0400, 34.8087 looks on a white background.

Color Contrast Check

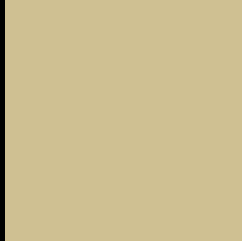
Large Text (above 18pt) WCAG AA × Fail

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 49.7701, 53.0400, 34.8087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

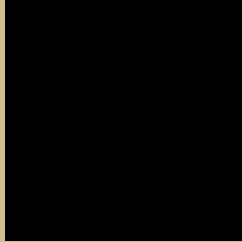
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.7701, 53.0400, 34.8087

Background



This preview shows how black text looks on a background with the XYZ color 49.7701, 53.0400, 34.8087.



This preview shows how white text looks on a background with the XYZ color 49.7701, 53.0400,

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

49.7701, 53.0400, 34.8087

Protanopia

49.4915, 52.8964, 34.7957

Deuteranopia

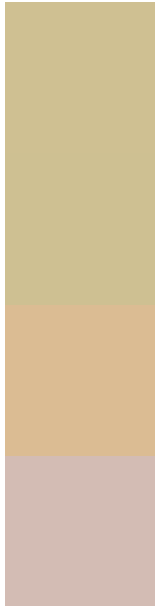
53.9795, 52.9733, 34.9836



Tritanopia

55.0983, 52.9676, 61.3526

Trichromacy



Original Color

49.7701, 53.0400, 34.8087

Protanomaly

49.4915, 52.8964, 34.7957

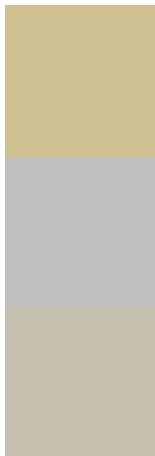
Deuteranomaly

52.4631, 53.1331, 35.0944

Tritanomaly

53.0854, 53.1106, 50.6335

Monochromacy



Original Color

49.7701, 53.0400, 34.8087

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.3946, 52.2271, 48.0349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7701, 53.0400, 34.8087 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(207, 192, 146)` looks like.

```
.text, #text, p{  
    color:rgb(207, 192, 146)  
}
```

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(207, 192, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 192, 146) }
```

Border

The CSS property to change the border of an element to XYZ 49.7701, 53.0400, 34.8087 is called "border". The border property can be set on classes, ids or directly on the HTML element.

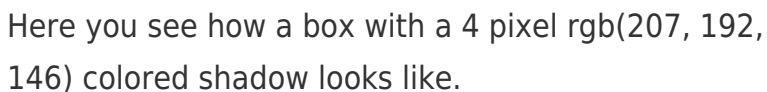
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(207, 192, 146) }
```


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

```
.border{ border-color:rgb(207, 192, 146) }
```

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



Here you see how a box with a 4 pixel `rgb(207, 192, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(207, 192, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(207, 192, 146); box-shadow:4px 4px 4px 4px rgb(207, 192, 146) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7701, 53.0400, 34.8087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 192, 146) }
```

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

```
.background{ background-color: rgb(207,  
192, 146) }
```

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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