

Converting Colors

XYZ(51.6695, 54.8324, 42.9824)

Have a look what the booklet for
XYZ(51.6695, 54.8324, 42.9824)
contains.

XYZ(51.6695, 54.8324, 42.9824)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(51.6695, 54.8324,
42.9824)**

Conversions

Conversions Part 1

Format	Color
Hex	CEC3A4
RGB	206, 195, 164
RGB Percent	81%, 76%, 64%
CMY	0.1922, 0.2353, 0.3569
CMYK	0.00, 0.05, 0.20, 0.19
HSL	44°, 30%, 73%
HSV	44°, 20%, 81%
XYZ	51.6695, 54.8324, 42.9824
YIQ	194.7550, 16.5070, -7.3090

Conversions

Conversions Part 2

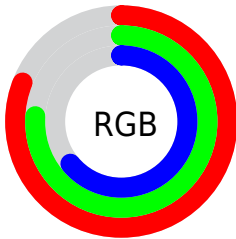
Format	Color
R_{YB}	179, 206, 164
Decimal	13550500
CIE _{Lab}	78.94, -1.17, 16.98
CIE _{LCh}	79, 17.023, 93.953
Yxy	54.8324, 0.3457, 0.3668
Android (android.graphics.Color)	4291740580 (0xFFCEC3A4)
YUV	194.7550, -15.1622, 9.8619
Hunter-Lab	74.0489, -5.0327, 17.4188

Details

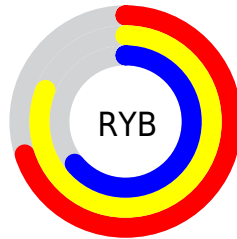
The XYZ color **51.6695, 54.8324, 42.9824** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.7801, 43.0075, 64.4919**, and the grayscale version is **51.8076, 54.5057, 59.3567**.

A 20% lighter version of the original color is **88.5234, 95.3688, 80.7602**, and **25.2120, 26.7989, 19.1731** is the 20% darker color. If you saturate the color by 10%, you get **48.7717, 51.7765, 33.5697**, and if you desaturate by 10%, it is **54.9152, 58.1011, 53.9991**.

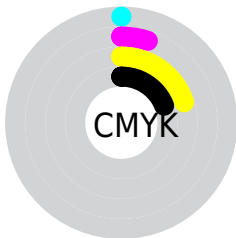
Distribution



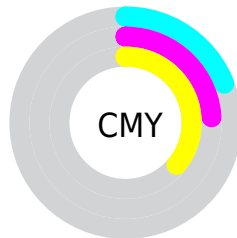
- Red (81%)
- Green (76%)
- Blue (64%)



- Red (70%)
- Yellow (81%)
- Blue (64%)



- Cyan (0%)
- Magenta (5%)
- Yellow (20%)
- Black (19%)





- Cyan (19%)
- Magenta (24%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6695, 54.8324, 42.9824 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 51.6695, 54.8324, 42.9824 by changing the saturation by 10% instead.


 51.6695, 54.8324,
42.9824


 51.6695, 54.8324,
42.9824


383.5043,
405.2763, 374.4585

 36.9649, 39.2676,
29.5400


 91.8208, 97.2954,
80.9704

 25.3539, 26.9679,
19.2406


 117.9981,
124.9622, 106.3530

 16.4710, 17.5491,
11.6657


148.7305,
157.4319, 136.5529

 9.9510, 10.6268,
6.3967

184.3832,
195.0888, 171.9884

 5.4285, 5.8165,
3.0151

225.3215,
238.3173, 213.0782

 2.5381, 2.7338,
1.1024

271.9109,

 0.9145, 0.9944,

287.5018, 260.2408

0.0000

324.5168,
343.0267, 313.8947

■ 0.0000, 0.0000,
0.0000

■ 51.6695, 54.8324,
42.9824

■ 51.6695, 54.8324,
42.9824

■ 48.7717, 51.7765,
33.5697

■ 54.9152, 58.1011,
53.9991

■ 46.2025, 48.9192,
25.6811

■ 58.5185, 61.5815,
66.6875

■ 43.9473, 46.2559,
19.2349

■ 62.4939, 65.2820,
81.1158

■ 41.9884, 43.7788,
14.1405

■ 66.8539, 69.2082,
97.3473

■ 40.3062, 41.4791,
10.2970

■ 69.6169, 72.5684,
104.9456

■ 38.8783, 39.3473,
7.5892

■ 71.0721, 75.4786,
105.4307

■ 37.6783, 37.3720,
5.8802

■ 72.5734, 78.4814,
105.9311

■ 36.6935, 35.6015,
4.9378

■ 74.1214, 81.5774,
106.4471

■ 75.7165, 84.7676,
106.9788

Harmonies

Analogous

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



55.0249, 54.8324, 44.4836



51.6695, 54.8324, 42.9824



48.5679, 54.8324, 45.5472

Triad

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



51.6695, 54.8324, 42.9824



46.9057, 54.8324, 70.7220



58.1808, 54.8324, 68.2613

Complementary

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



51.6695, 54.8324, 42.9824



41.7801, 43.0075, 64.4919

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.



55.8340, 54.8324, 76.5247



51.6695, 54.8324, 42.9824



49.3125, 54.8324, 78.0498

Square

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



51.6695, 54.8324, 42.9824



45.8938, 54.8324, 60.9964



52.5662, 54.8324, 80.2795



58.8778, 54.8324, 58.4283

Rectangle

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



51.6695, 54.8324, 42.9824



47.0329, 54.8324, 49.3996



52.5662, 54.8324, 80.2795



57.5539, 54.8324, 71.3482

Sweetspot

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



51.6709, 54.8349, 42.9836



91.4191, 96.5244, 96.0174



46.4871, 42.7764, 46.4677



19.4857, 20.5809, 20.2647



0.0000, 0.0000, 0.0000



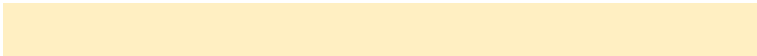
20.3446, 21.4041, 23.3091

Same Dimension

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



51.6709, 54.8349, 42.9836



81.8153, 86.8664, 63.3760



51.5895, 58.5858, 43.7119



11.8957, 12.5803, 11.8807



22.6771, 22.0872, 3.0680



1.2295, 1.2586, 0.1781

Inverse Universe

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



41.7801, 43.0075, 64.4919



63.2494, 64.6680, 103.7563



41.8277, 39.9836, 63.9057



10.8366, 11.3136, 14.1830



7.7382, 4.5004, 36.4171



0.4626, 0.3589, 1.8998

Previews

White Background



This preview shows how the XYZ color 51.6695, 54.8324, 42.9824 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 51.6695, 54.8324, 42.9824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

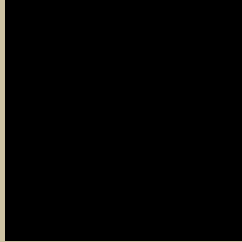
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.6695, 54.8324, 42.9824

Background



This preview shows how black text looks on a background with the XYZ color 51.6695, 54.8324, 42.9824.

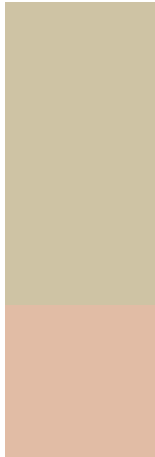


This preview shows how white text looks on a background with the XYZ color 51.6695, 54.8324,

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

51.6695, 54.8324, 42.9824

Protanopia

51.6695, 54.8324, 42.9824

Deuteranopia

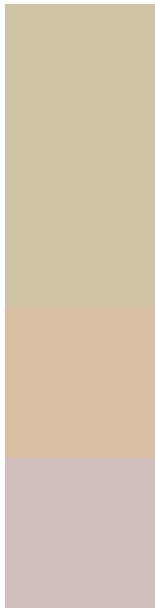
55.8261, 54.6906, 43.2113



Tritanopia

55.9606, 54.6037, 64.7169

Trichromacy



Original Color

51.6695, 54.8324, 42.9824

Protanomaly

51.6695, 54.8324, 42.9824

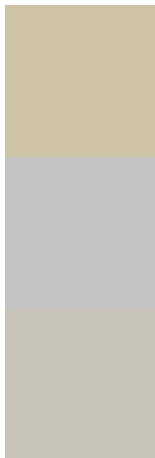
Deuteranomaly

54.3358, 54.8836, 43.3271

Tritanomaly

54.1106, 54.4910, 55.8100

Monochromacy



Original Color

51.6695, 54.8324, 42.9824

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

51.7200, 54.6330, 53.1667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6695, 54.8324, 42.9824 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(206, 195, 164) looks like.

```
.text, #text, p{  
    color:rgb(206, 195, 164)  
}
```

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(206, 195, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 195, 164) }
```

Border

The CSS property to change the border of an element to XYZ 51.6695, 54.8324, 42.9824 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(206, 195, 164) }
```


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

```
.border{ border-color:rgb(206, 195, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 195, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 195, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 195, 164);  
box-shadow:4px 4px 4px 4px rgb(206, 195,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6695, 54.8324, 42.9824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 195, 164) }
```

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

```
.background{ background-color: rgb(206,  
195, 164) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor