

# Converting Colors

XYZ(51.4906, 55.6995, 41.8295)

Have a look what the booklet for  
XYZ(51.4906, 55.6995, 41.8295)  
contains.

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# **Color**

**XYZ(51.5289, 55.7987,  
41.7726)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCC6A1
RGB	204, 198, 161
RGB Percent	80%, 78%, 63%
CMY	0.2000, 0.2235, 0.3686
CMYK	0.00, 0.03, 0.21, 0.20
HSL	52°, 30%, 72%
HSV	52°, 21%, 80%
XYZ	51.5289, 55.7987, 41.7726
YIQ	195.5760, 15.4530, -10.2350

# Conversions

## Conversions Part 2

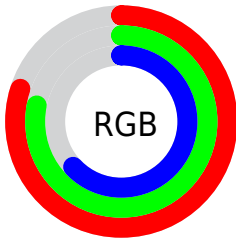
Format	Color
<a href="#">RYB</a>	<a href="#">168, 204, 161</a>
Decimal	<a href="#">13420193</a>
CIELab	<a href="#">79.50, -3.93, 19.33</a>
CIELCh	<a href="#">79, 19.725, 101.504</a>
Yxy	<a href="#">55.7987, 0.3456, 0.3742</a>
Android (android.graphics.Color)	<a href="#">4291610273</a> ( <a href="#">0xFFCCC6A1</a> )
YUV	<a href="#">195.5760, -17.0460, 7.3878</a>
Hunter-Lab	<a href="#">74.6985, -7.5887, 19.1331</a>

# Details

The XYZ color **51.5289, 55.7987, 41.7726** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.4156, 39.5732, 62.6879**, and the grayscale version is **52.3089, 55.0331, 59.9310**.

A 20% lighter version of the original color is **89.3947, 97.7379, 79.1194**, and **25.1280, 27.4402, 18.4401** is the 20% darker color. If you saturate the color by 10%, you get **49.2312, 53.8510, 32.8437**, and if you desaturate by 10%, it is **54.1353, 57.8933, 52.2538**.

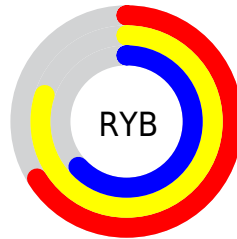
# Distribution



Red (80%)

Green (78%)

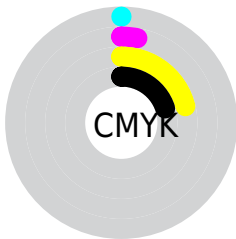
Blue (63%)



Red (66%)

Yellow (80%)

Blue (63%)

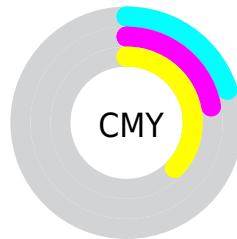


Cyan (0%)

Magenta (3%)

Yellow (21%)

Black (20%)



Cyan (20%)

Magenta (22%)


Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5289, 55.7987, 41.7726 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 51.5289, 55.7987, 41.7726 by changing the saturation by 10% instead.





 51.5289, 55.7987,  
41.7726


 51.5289, 55.7987,  
41.7726


382.9691,  
408.9324, 369.3112

 36.8525, 40.0416,  
28.5990


 91.6144, 98.7102,  
79.1217

 25.2664, 27.5709,  
18.5347


 117.7543,  
126.6333, 104.1344

 16.4055, 18.0025,  
11.1612


148.4459,  
159.3806, 133.9304

 9.9042, 10.9518,  
6.0598

184.0547,  
197.3364, 168.9285

 5.3972, 6.0344,  
2.8121

224.9461,  
240.8850, 209.5470

 2.5193, 2.8660,  
0.9995

271.4854,

 0.9050, 1.0622,

290.4110, 256.2047

0.0000

324.0379,  
346.2987, 309.3199

■ 0.0000, 0.0000,  
0.0000

■ 51.5289, 55.7987,  
41.7726

■ 51.5289, 55.7987,  
41.7726

■ 49.2312, 53.8510,  
32.8437

■ 54.1353, 57.8933,  
52.2538

■ 47.2235, 52.0368,  
25.3887

■ 57.0593, 60.1326,  
64.3536

■ 45.4919, 50.3523,  
19.3276

■ 60.3149, 62.5244,  
78.1386

■ 44.0193, 48.7907,  
14.5715

■ 63.9140, 65.0733,  
93.6709

■ 42.7869, 47.3442,  
11.0211

■ 66.5522, 67.2579,  
104.0821

■ 41.7730, 46.0042,  
8.5630

■ 67.2705, 68.6946,  
104.3216

■ 40.9520, 44.7602,  
7.0621

■ 68.0015, 70.1565,  
104.5652

■ 40.3405, 43.7146,  
6.3116

■ 68.7451, 71.6437,  
104.8131

■ 69.5014, 73.1563,  
105.0652

# Harmonies

## Analogous

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



55.4905, 55.7987, 42.3117



51.5289, 55.7987, 41.7726



48.1414, 55.7987, 45.8263

# Triad

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



51.5289, 55.7987, 41.7726



47.5277, 55.7987, 76.4038



60.5988, 55.7987, 67.9485

# Complementary

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



51.5289, 55.7987, 41.7726



39.4156, 39.5732, 62.6879

# 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.



58.2494, 55.7987, 78.6184



51.5289, 55.7987, 41.7726



50.6530, 55.7987, 83.9038

# Square

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



51.5289, 55.7987, 41.7726



45.9094, 55.7987, 65.2150



54.5701, 55.7987, 84.7613



60.8622, 55.7987, 56.5037



# Rectangle

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



51.5289, 55.7987, 41.7726



46.6128, 55.7987, 50.9222



54.5701, 55.7987, 84.7613



60.0216, 55.7987, 71.7792

# Sweetspot

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



51.5304, 55.8012, 41.7738



92.0069, 97.6999, 96.2133



44.6640, 41.1345, 42.3642



19.6249, 20.8594, 20.3112



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.



51.5304, 55.8012, 41.7738



83.6612, 91.0119, 62.5922



49.0002, 56.5717, 42.0559



12.0153, 12.8196, 11.9206



25.4420, 27.6169, 3.9897



1.3501, 1.4999, 0.2184



# Inverse Universe

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



39.4156, 39.5732, 62.6879



60.2852, 59.7016, 102.9539



41.5604, 39.0861, 62.4809



10.7258, 11.0921, 14.1460



7.1686, 3.3612, 36.2272

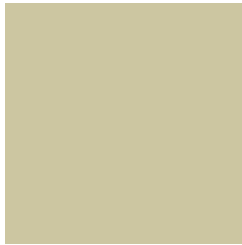


0.4118, 0.2573, 1.8829



# Previews

## White Background



This preview shows how the XYZ color 51.5289, 55.7987, 41.7726 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 51.5289, 55.7987, 41.7726 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

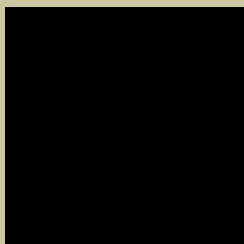
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

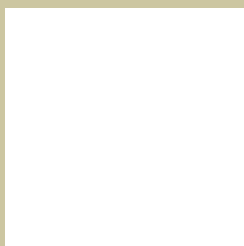
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 51.5289, 55.7987, 41.7726**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.5289, 55.7987, 41.7726.



This preview shows how white text looks on a background with the XYZ color 51.5289, 55.7987,



# 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

51.5289, 55.7987, 41.7726

### Protanopia

52.6059, 56.0259, 41.2992

### Deuteranopia

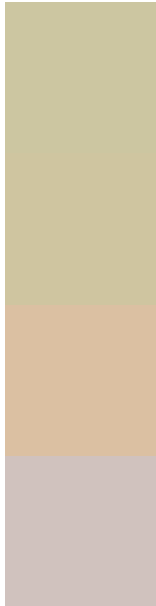
56.8034, 55.5335, 42.3755



## Tritanopia

56.6905, 55.9059, 66.8345

# Trichromacy



## Original Color

51.5289, 55.7987, 41.7726

## Protanomaly

52.0435, 55.7360, 41.2728

## Deuteranomaly

54.5846, 55.3680, 41.9926

## Tritanomaly

54.5985, 55.7112, 56.5909

# Monochromacy



## Original Color

51.5289, 55.7987, 41.7726

## Achromatopsia

52.4687, 55.2011, 60.1140

## Achromatomaly

52.0667, 55.4935, 52.7669

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.5289, 55.7987, 41.7726 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, 198, 161) looks like.

```
.text, #text, p{  
    color:rgb(204, 198, 161)  
}
```

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, 198, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 198, 161) }
```

## Border

The CSS property to change the border of an element to XYZ 51.5289, 55.7987, 41.7726 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, 198, 161) }
```



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

```
.border{ border-color:rgb(204, 198, 161) }
```

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

Here you see how a box with a 4 pixel rgb(204, 198, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 198, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 198, 161);  
box-shadow:4px 4px 4px 4px rgb(204, 198,  
161) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.5289, 55.7987, 41.7726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 198, 161) }
```

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

```
.background{ background-color: rgb(204,  
198, 161) }
```

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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