

Converting Colors

XYZ(51.7058, 55.8298, 42.8222)

Have a look what the booklet for
XYZ(51.7058, 55.8298, 42.8222)
contains.

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Color

**XYZ(51.7068, 55.8699,
42.7091)**

Conversions

Conversions Part 1

Format	Color
Hex	CCC6A3
RGB	204, 198, 163
RGB Percent	80%, 78%, 64%
CMY	0.2000, 0.2235, 0.3608
CMYK	0.00, 0.03, 0.20, 0.20
HSL	51°, 29%, 72%
HSV	51°, 20%, 80%
XYZ	51.7068, 55.8699, 42.7091
YIQ	195.8040, 14.8110, -9.6130

Conversions

Conversions Part 2

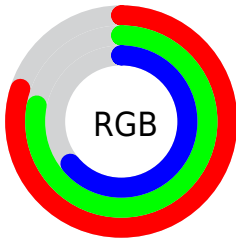
Format	Color
RYB	170, 204, 163
Decimal	13420195
CIELab	79.54, -3.64, 18.32
CIELCh	80, 18.679, 101.239
Yxy	55.8699, 0.3441, 0.3718
Android (android.graphics.Color)	4291610275 (0xFFCCC6A3)
YUV	195.8040, -16.1724, 7.1879
Hunter-Lab	74.7462, -7.3257, 18.4447

Details

The XYZ color **51.7068, 55.8699, 42.7091** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.1912, 40.5212, 62.8302**, and the grayscale version is **52.4408, 55.1718, 60.0820**.

A 20% lighter version of the original color is **89.6549, 97.8420, 80.4897**, and **25.2369, 27.4838, 19.0137** is the 20% darker color. If you saturate the color by 10%, you get **49.3498, 53.8487, 33.6215**, and if you desaturate by 10%, it is **54.3750, 58.0409, 53.3565**.

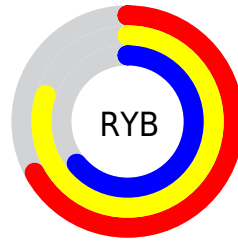
Distribution



Red (80%)

Green (78%)

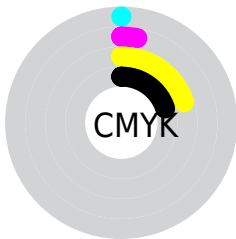
Blue (64%)



Red (67%)

Yellow (80%)

Blue (64%)

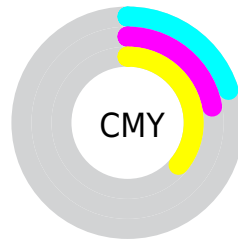


Cyan (0%)

Magenta (3%)

Yellow (20%)

Black (20%)



Cyan (20%)


Magenta (22%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.7068, 55.8699, 42.7091 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 51.7068, 55.8699, 42.7091 by changing the saturation by 10% instead.


 51.7068, 55.8699,
42.7091

 51.7068, 55.8699,
42.7091


383.6462,
409.2010, 373.3001

 36.9947, 40.0986,
29.3272


 91.8755, 98.8143,
80.5533

 25.3771, 27.6154,
19.0808


 118.0628,
126.7563, 105.8528

 16.4884, 18.0360,
11.5513


148.8060,
159.5239, 135.9618

 9.9635, 10.9758,
6.3201

184.4703,
197.5016, 171.2990

 5.4368, 6.0506,
2.9688

225.4211,
241.0738, 212.2829

 2.5431, 2.8759,
1.0787

272.0238,

 0.9171, 1.0673,

290.6248, 259.3320

0.0000

324.6437,
346.5391, 312.8649

■ 0.0000, 0.0000,
0.0000

■ 51.7068, 55.8699,
42.7091

■ 51.7068, 55.8699,
42.7091

■ 49.3498, 53.8487,
33.6215

■ 54.3750, 58.0409,
53.3565

■ 47.2855, 51.9639,
26.0158

■ 57.3634, 60.3597,
65.6294

■ 45.5000, 50.2120,
19.8126

■ 60.6858, 62.8339,
79.5943

■ 43.9765, 48.5860,
14.9240

■ 64.3539, 65.4682,
95.3128

■ 42.6963, 47.0783,
11.2518

■ 66.7263, 67.6062,
104.1402

■ 41.6380, 45.6802,
8.6841

■ 67.4833, 69.1200,
104.3925

■ 40.7765, 44.3816,
7.0886

■ 68.2541, 70.6616,
104.6494

■ 40.0707, 43.1749,
6.2216

■ 69.0388, 72.2312,
104.9110

■ 69.8376, 73.8287,
105.1773

Harmonies

Analogous

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



55.4608, 55.8699, 43.2666



51.7068, 55.8699, 42.7091



48.4804, 55.8699, 46.5605

Triad

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



51.7068, 55.8699, 42.7091



47.8522, 55.8699, 75.5195



60.2426, 55.8699, 67.7344

Complementary

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



51.7068, 55.8699, 42.7091



40.1912, 40.5212, 62.8302

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.



58.0098, 55.8699, 77.7590



51.7068, 55.8699, 42.7091



50.8124, 55.8699, 82.6068

Square

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



51.7068, 55.8699, 42.7091



46.3260, 55.8699, 64.9558



54.5234, 55.8699, 83.4715



60.5100, 55.8699, 56.8881

Rectangle

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



51.7068, 55.8699, 42.7091



47.0168, 55.8699, 51.4088



54.5234, 55.8699, 83.4715



59.6923, 55.8699, 71.3434

Sweetspot

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



51.7083, 55.8724, 42.7103



91.9740, 97.6342, 96.2024



45.1752, 41.9027, 43.3178



19.6172, 20.8438, 20.3086



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.



51.7083, 55.8724, 42.7103



83.9263, 91.0884, 64.0797



49.3521, 56.7326, 43.0005



12.0086, 12.8062, 11.9184



25.2741, 27.2811, 3.9337



1.3430, 1.4856, 0.2160

Inverse Universe

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



40.1912, 40.5212, 62.8302



61.5436, 61.2565, 103.1877



42.2082, 39.9431, 62.6122



10.7319, 11.1043, 14.1481



7.1916, 3.4071, 36.2349



0.4146, 0.2630, 1.8838

Previews

White Background



This preview shows how the XYZ color 51.7068, 55.8699, 42.7091 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 51.7068, 55.8699, 42.7091 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

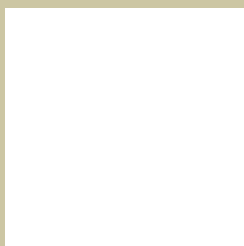
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.7068, 55.8699, 42.7091

Background



This preview shows how black text looks on a background with the XYZ color 51.7068, 55.8699, 42.7091.



This preview shows how white text looks on a background with the XYZ color 51.7068, 55.8699,

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

51.7068, 55.8699, 42.7091

Protanopia

52.5003, 55.9510, 42.2150

Deuteranopia

56.6677, 55.4427, 43.3121



Tritanopia

56.6905, 55.9059, 66.8345

Trichromacy



Original Color

51.7068, 55.8699, 42.7091

Protanomaly

52.2200, 55.8065, 42.2019

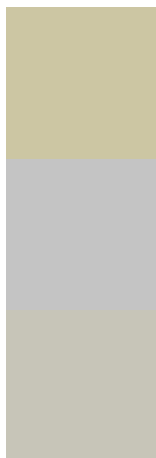
Deuteranomaly

54.7639, 55.4397, 42.9365

Tritanomaly

54.7082, 55.7551, 57.1686

Monochromacy



Original Color

51.7068, 55.8699, 42.7091

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

52.1712, 55.5353, 53.3171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7068, 55.8699, 42.7091 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, 163) looks like.

```
.text, #text, p{  
    color:rgb(204, 198, 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, 198, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 198, 163) }
```

Border

The CSS property to change the border of an element to XYZ 51.7068, 55.8699, 42.7091 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, 163) }
```


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

```
.border{ border-color:rgb(204, 198, 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, 198, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 198, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 198, 163);  
box-shadow:4px 4px 4px 4px rgb(204, 198,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7068, 55.8699, 42.7091 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, 163) }
```

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

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