

Converting Colors

XYZ(55.1778, 63.2690, 42.6365)

Have a look what the booklet for
XYZ(55.1778, 63.2690, 42.6365)
contains.

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Color

**XYZ(55.2936, 63.4686,
42.5941)**

Conversions

Conversions Part 1

Format	Color
Hex	CCD6A0
RGB	204, 214, 160
RGB Percent	80%, 84%, 63%
CMY	0.2000, 0.1608, 0.3725
CMYK	0.05, 0.00, 0.25, 0.16
HSL	71°, 40%, 73%
HSV	71°, 25%, 84%
XYZ	55.2936, 63.4686, 42.5941
YIQ	204.8540, 11.3740, -18.9140

Conversions

Conversions Part 2

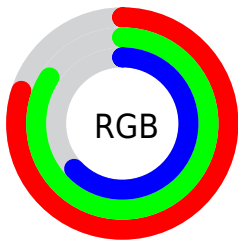
Format	Color
RYB	160, 214, 170
Decimal	13424288
CIELab	83.69, -12.29, 25.60
CIELCh	84, 28.404, 115.649
Yxy	63.4686, 0.3427, 0.3933
Android (android.graphics.Color)	4291614368 (0xFFCCD6A0)
YUV	204.8540, -22.1130, -0.7490
Hunter-Lab	79.6672, -15.5283, 24.0676

Details

The XYZ color **55.2936, 63.4686, 42.5941** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.2885, 38.5444, 68.8856**, and the grayscale version is **58.0680, 61.0921, 66.5293**.

A 20% lighter version of the original color is **89.2657, 97.6863, 78.4405**, and **27.4993, 32.2685, 18.9664** is the 20% darker color. If you saturate the color by 10%, you get **52.5080, 62.2326, 33.5183**, and if you desaturate by 10%, it is **58.4324, 64.8534, 53.3712**.

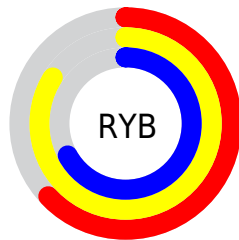
Distribution



Red (80%)

Green (84%)

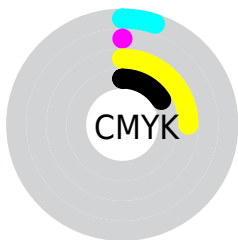
Blue (63%)



Red (63%)

Yellow (84%)

Blue (67%)

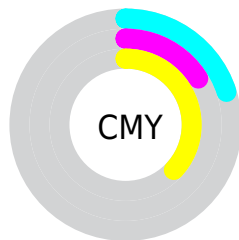


Cyan (5%)

Magenta (0%)

Yellow (25%)

Black (16%)



Cyan (20%)

Magenta (16%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.2936, 63.4686, 42.5941 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 55.2936, 63.4686, 42.5941 by changing the saturation by 10% instead.

■ 55.2936, 63.4686,
42.5941

■ 55.2936, 63.4686,
42.5941

397.1422,
437.2681, 372.8119

■ 39.8716, 46.2204,
29.2377

■ 97.1168, 109.8453,
80.3778

■ 27.6222, 32.4198,
19.0136

■ 124.2487,
139.7426, 105.6421

■ 18.1801, 21.6823,
11.5032

156.0147,
174.6250, 135.7129

■ 11.1798, 13.6237,
6.2880

192.7800,
214.8769, 171.0086

■ 6.2561, 7.8594,
2.9494

234.9101,
260.8828, 211.9479

■ 3.0436, 4.0051,
1.0688

282.7702,

■ 1.1768, 1.6764,

313.0271, 258.9491

0.0000

336.7258,
371.6940, 312.4309

■ 0.0880, 0.4083,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.2936, 63.4686,
42.5941

■ 55.2936, 63.4686,
42.5941

■ 52.5080, 62.2326,
33.5183

■ 58.4324, 64.8534,
53.3712

■ 50.0541, 61.1302,
26.0528

■ 61.9351, 66.3849,
65.9262

■ 47.9152, 60.1570,
20.1043

■ 65.8179, 68.0716,
80.3360

■ 46.0714, 59.3050,
15.5682

■ 70.0944, 69.9191,
96.6719

■ 44.5001, 58.5651,
12.3269

■ 72.7839, 71.1350,
104.5021

■ 43.1750, 57.9267,
10.2435

■ 74.0259, 71.7753,
104.5602

■ 42.0643, 57.3772,
9.1507

■ 75.2967, 72.4304,
104.6196

■ 41.5834, 57.1357,
8.8366

■ 76.5965, 73.1005,
104.6805

■ 77.9256, 73.7857,
104.7427

Harmonies

Analogous

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



61.2372, 63.4686, 40.2645



55.2936, 63.4686, 42.5941



50.9777, 63.4686, 51.5209

Triad

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



55.2936, 63.4686, 42.5941



53.8234, 63.4686, 101.4266



73.0569, 63.4686, 71.7387

Complementary

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



55.2936, 63.4686, 42.5941



41.2885, 38.5444, 68.8856

Split Complementary

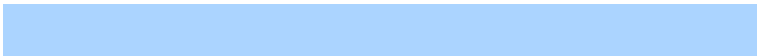
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.7503, 63.4686, 90.2975



55.2936, 63.4686, 42.5941



59.4219, 63.4686, 109.2070

Square

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



55.2936, 63.4686, 42.5941



50.1707, 63.4686, 85.0224



65.6527, 63.4686, 104.8210



71.7645, 63.4686, 55.3122

Rectangle

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



55.2936, 63.4686, 42.5941



49.4618, 63.4686, 60.9575



65.6527, 63.4686, 104.8210



72.6726, 63.4686, 77.9513

Sweetspot

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



55.2952, 63.4714, 42.5955



90.5609, 98.0453, 92.4462



48.4349, 45.5480, 39.4975



19.2118, 20.9106, 19.1679



0.0000, 0.0000, 0.0000



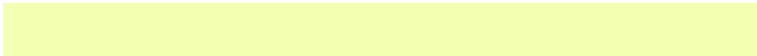
20.3446, 21.4041, 23.3091

Same Dimension

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



55.2952, 63.4714, 42.5955



80.0629, 93.4249, 56.1962



48.5482, 59.9932, 42.2797



13.2368, 14.3983, 13.2422



25.2151, 34.5752, 5.3447



1.5807, 2.1162, 0.3252

Inverse Universe

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



41.2885, 38.5444, 68.8856



55.9790, 50.5546, 101.4153



47.7103, 41.8550, 69.1861



11.9551, 12.1183, 15.6465



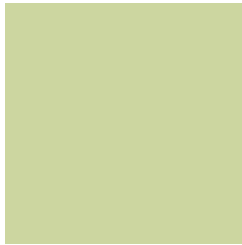
7.9213, 3.2361, 38.6603



0.5430, 0.2288, 2.3349

Previews

White Background



This preview shows how the XYZ color 55.2936, 63.4686, 42.5941 looks on a white background.

Color Contrast Check

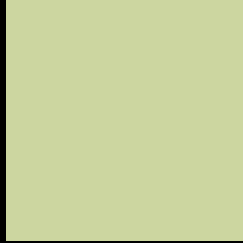
Large Text (above 18pt) WCAG AA × Fail

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 55.2936, 63.4686, 42.5941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

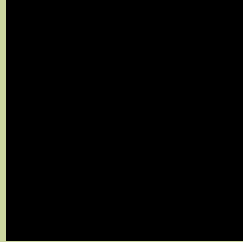
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

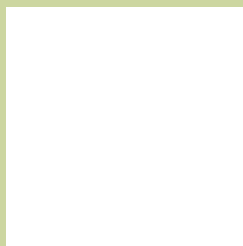
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.2936, 63.4686, 42.5941

Background



This preview shows how black text looks on a background with the XYZ color 55.2936, 63.4686, 42.5941.



This preview shows how white text looks on a background with the XYZ color 55.2936, 63.4686,

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

55.2936, 63.4686, 42.5941

Protanopia

59.0731, 63.2340, 40.9902

Deuteranopia

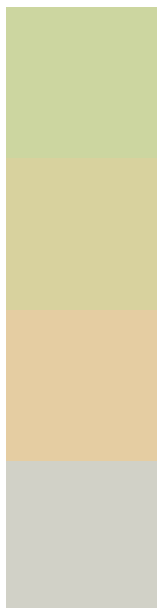
64.5734, 63.1860, 43.4431



Tritanopia

62.4075, 63.4136, 78.0581

Trichromacy



Original Color

55.2936, 63.4686, 42.5941

Protanomaly

57.5371, 63.1607, 41.5065

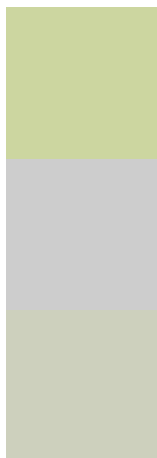
Deuteranomaly

60.6660, 62.9293, 43.1315

Tritanomaly

59.4038, 63.2798, 63.1161

Monochromacy



Original Color

55.2936, 63.4686, 42.5941

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

56.9180, 61.7650, 57.0661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.2936, 63.4686, 42.5941 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, 214, 160)` looks like.

```
.text, #text, p{  
    color:rgb(204, 214, 160)  
}
```

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, 214, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 214, 160) }
```

Border

The CSS property to change the border of an element to XYZ 55.2936, 63.4686, 42.5941 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, 214, 160) }
```


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

```
.border{ border-color:rgb(204, 214, 160) }
```

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

Here you see how a box with a 4 pixel rgb(204, 214, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 214, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 214, 160);  
box-shadow:4px 4px 4px 4px rgb(204, 214,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 55.2936, 63.4686, 42.5941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 214, 160) }
```

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

```
.background{ background-color: rgb(204,  
214, 160) }
```

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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