

# Converting Colors

XYZ(68.1891, 75.8684, 55.3949)

Have a look what the booklet for  
XYZ(68.1891, 75.8684, 55.3949)  
contains.

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# Color

**XYZ(68.1414, 75.7469,  
55.2852)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3E5B6
RGB	227, 229, 182
RGB Percent	89%, 90%, 71%
CMY	0.1098, 0.1019, 0.2863
CMYK	0.01, 0.00, 0.21, 0.10
HSL	63°, 47%, 81%
HSV	63°, 21%, 90%
XYZ	68.1414, 75.7469, 55.2852
YIQ	223.0440, 13.8950, -15.0410

# Conversions

## Conversions Part 2

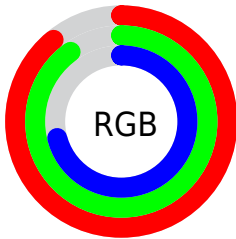
Format	Color
R <sub>Y</sub> B	182, 229, 184
Decimal	14935478
CIE Lab	89.74, -8.28, 22.76
CIE LCh	90, 24.218, 109.998
Yxy	75.7469, 0.3421, 0.3803
Android (android.graphics.Color)	4293125558 (0xFFE3E5B6)
YUV	223.0440, -20.2347, 3.4694
Hunter-Lab	87.0327, -12.5524, 23.2605

# Details

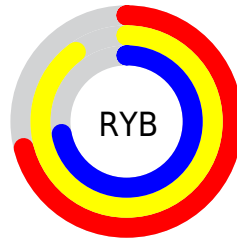
The XYZ color **68.1414, 75.7469, 55.2852** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.6409, 49.3054, 80.9807**, and the grayscale version is **70.3045, 73.9658, 80.5488**.

A 20% lighter version of the original color is **92.4326, 98.9530, 95.1170**, and **35.8931, 40.5150, 26.6973** is the 20% darker color. If you saturate the color by 10%, you get **65.6592, 74.7211, 43.8091**, and if you desaturate by 10%, it is **71.0164, 76.9351, 68.8030**.

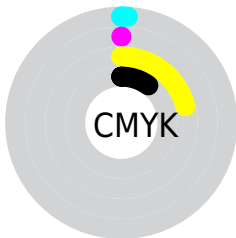
# Distribution



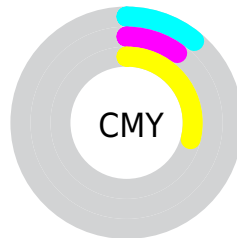
- Red (89%)
- Green (90%)
- Blue (71%)



- Red (71%)
- Yellow (90%)
- Blue (72%)



- Cyan (1%)
- Magenta (0%)
- Yellow (21%)
- Black (10%)



- Cyan (11%)
- Magenta (10%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1414, 75.7469, 55.2852 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 68.1414, 75.7469, 55.2852 by changing the saturation by 10% instead.



■ 68.1414, 75.7469,  
55.2852

■ 68.1414, 75.7469,  
55.2852

443.3657,  
480.4808, 424.3045

■ 50.2869, 56.2250,  
39.2300

■ 115.5952,  
127.3691, 99.4340

■ 35.8601, 40.3833,  
26.6295

145.9252,  
160.2381, 128.3647

■ 24.4958, 27.8376,  
17.0652

181.1444,  
198.3250, 162.4243

■ 15.8285, 18.2032,  
10.1185

221.6181,  
242.0141, 202.0313

■ 9.4930, 11.0960,  
5.3710

267.7118,  
291.6899, 247.6043

■ 5.1238, 6.1314,  
2.4040

319.7907,

■ 2.3556, 2.9252,

347.7367, 299.5618

0.7886

378.2202,  
410.5389, 358.3223

■ 0.8229, 1.0928,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 68.1414, 75.7469,  
55.2852

■ 68.1414, 75.7469,  
55.2852

■ 65.6592, 74.7211,  
43.8091

■ 71.0164, 76.9351,  
68.8030

■ 63.5451, 73.8402,  
34.2709


■ 74.2957, 78.2828,  
84.4499


■ 61.7807, 73.0993,  
26.5650


■ 77.9978, 79.7997,  
102.3141


■ 60.3436, 72.4896,  
20.5738

■ 78.9962, 80.2354,  
105.9312

 59.2090, 72.0011,  
16.1660


 79.3122, 80.3983,  
105.9460


 58.3482, 71.6223,  
13.1915


 79.6300, 80.5621,  
105.9608

 57.7274, 71.3396,  
11.4712

 79.9496, 80.7269,  
105.9758

 57.3058, 71.1387,  
10.7108

 80.2709, 80.8925,  
105.9908

 80.5940, 81.0591,  
106.0059

# Harmonies

## Analogous

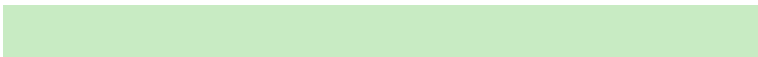
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.0069, 75.7469, 54.1578



68.1414, 75.7469, 55.2852



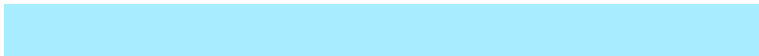
63.5572, 75.7469, 63.1008

# Triad

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



68.1414, 75.7469, 55.2852



64.8672, 75.7469, 110.3008



83.8986, 75.7469, 88.3168

# Complementary

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



68.1414, 75.7469, 55.2852



50.6409, 49.3054, 80.9807

# Split Complementary

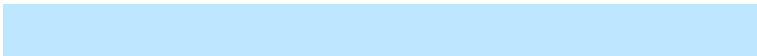
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.1488, 75.7469, 105.4583



68.1414, 75.7469, 55.2852



70.0202, 75.7469, 119.2615

# Square

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



68.1414, 75.7469, 55.2852



61.7405, 75.7469, 94.2337



75.9915, 75.7469, 117.3763



83.3268, 75.7469, 71.7385



# Rectangle

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



68.1414, 75.7469, 55.2852



61.7407, 75.7469, 71.7362



75.9915, 75.7469, 117.3763



83.3264, 75.7469, 94.2364

# Sweetspot

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



68.1434, 75.7503, 55.2868



92.4439, 98.9299, 96.4277



57.8097, 54.1386, 51.6600



19.7286, 21.1511, 20.3620



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.



68.1434, 75.7503, 55.2868



85.4382, 96.0405, 63.4692



61.3492, 72.2477, 54.9688



15.5376, 16.7842, 15.3252



32.7899, 40.6853, 6.1248



2.4420, 3.0163, 0.4535



# Inverse Universe

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



50.6409, 49.3054, 80.9807



58.9756, 56.0560, 102.3193



56.6239, 52.3898, 81.2607



13.6394, 13.9163, 18.1116



8.1815, 3.2836, 42.5858



0.6248, 0.2531, 3.1479



# Previews

## White Background



This preview shows how the XYZ color 68.1414, 75.7469, 55.2852 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

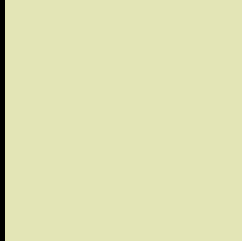
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.1414, 75.7469, 55.2852 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

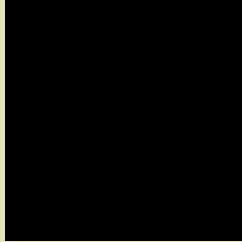
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 68.1414, 75.7469, 55.2852

## Background



This preview shows how black text looks on a background with the XYZ color 68.1414, 75.7469, 55.2852.



This preview shows how white text looks on a background with the XYZ color 68.1414, 75.7469,



# 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

68.1414, 75.7469, 55.2852

### Protanopia

71.0986, 75.6710, 54.0387

### Deuteranopia

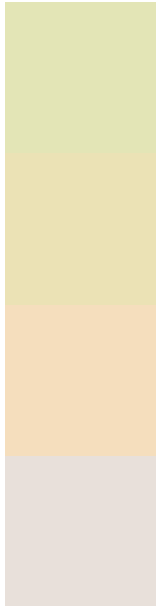
75.9370, 75.2531, 60.9751



## Tritanopia

75.6974, 75.6071, 92.2653

# Trichromacy



## Original Color

68.1414, 75.7469, 55.2852

## Protanomaly

69.7978, 75.3911, 54.5893

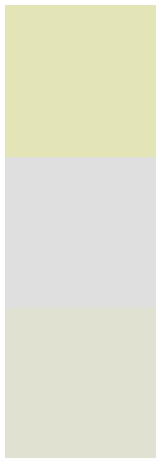
## Deuteranomaly

72.9628, 75.3292, 58.8385

## Tritanomaly

72.5893, 75.5291, 77.0824

# Monochromacy



## Original Color

68.1414, 75.7469, 55.2852

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

69.0508, 74.2518, 70.3672

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.1414, 75.7469, 55.2852 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(227, 229, 182)` looks like.

```
.text, #text, p{  
    color:rgb(227, 229, 182)  
}
```

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(227, 229, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 229, 182) }
```

## Border

The CSS property to change the border of an element to XYZ 68.1414, 75.7469, 55.2852 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(227, 229, 182) }
```



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

```
.border{ border-color:rgb(227, 229, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 229, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 229, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 229, 182); box-shadow:4px 4px 4px 4px rgb(227, 229, 182) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.1414, 75.7469, 55.2852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 229, 182) }
```

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

```
.background{ background-color: rgb(227,  
229, 182) }
```

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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