

# Converting Colors

XYZ(51.0337, 62.4237, 24.6885)

Have a look what the booklet for  
XYZ(51.0337, 62.4237, 24.6885)  
contains.

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# Color

**XYZ(51.0337, 62.4237,  
24.6885)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7D870
RGB	199, 216, 112
RGB Percent	78%, 85%, 44%
CMY	0.2196, 0.1529, 0.5608
CMYK	0.08, 0.00, 0.48, 0.15
HSL	70°, 57%, 64%
HSV	70°, 48%, 85%
XYZ	51.0337, 62.4237, 24.6885
YIQ	199.0610, 23.2520, -35.9480

# Conversions

## Conversions Part 2

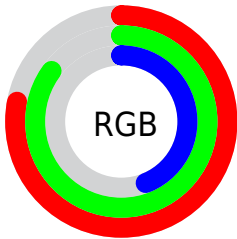
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	112, 216, 129
Decimal	13097072
CIE Lab	83.14, -20.93, 48.97
CIE LCh	83, 53.256, 113.142
Yxy	62.4237, 0.3694, 0.4519
Android (android.graphics.Color)	4291287152 (0xFFC7D870)
YUV	199.0610, -42.9211, -0.0535
Hunter-Lab	79.0087, -22.9675, 36.7792

# Details

The XYZ color **51.0337, 62.4237, 24.6885** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **27.2444, 21.2150, 67.6284**, and the grayscale version is **54.5693, 57.4112, 62.5208**.

A 20% lighter version of the original color is **83.8829, 95.5332, 50.0950**, and **24.8882, 31.6556, 9.0734** is the 20% darker color. If you saturate the color by 10%, you get **49.0467, 61.5241, 19.0532**, and if you desaturate by 10%, it is **53.3340, 63.4556, 31.8467**.

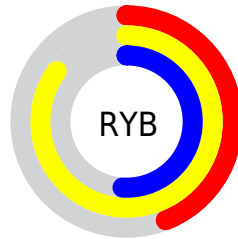
# Distribution



Red (78%)

Green (85%)

Blue (44%)



Red (44%)

Yellow (85%)

Blue (51%)

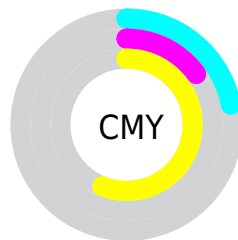


Cyan (8%)

Magenta (0%)

Yellow (48%)

Black (15%)



Cyan (22%)

Magenta (15%)

Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0337, 62.4237, 24.6885 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 51.0337, 62.4237, 24.6885 by changing the saturation by 10% instead.



■ 51.0337, 62.4237,  
24.6885

■ 51.0337, 62.4237,  
24.6885

381.0802,  
433.4749, 289.6809

■ 36.4566, 45.3751,  
15.6282

■ 90.8873, 108.3377,  
52.1093

■ 24.9588, 31.7530,  
9.1100

■ 116.8944,  
137.9719, 71.3068

■ 16.1749, 21.1729,  
4.7152

■ 147.4423,  
172.5701, 94.7206

■ 9.7396, 13.2505,  
2.0253

182.8963,  
212.5167, 122.7691

■ 5.2876, 7.6012,  
0.5708

223.6218,  
258.1961, 155.8708

■ 2.4535, 3.8409,  
0.0000

269.9840,

■ 0.8719, 1.5849,

309.9926, 194.4443

0.0000

322.3483,  
368.2908, 238.9082

0.0000, 0.3474,  
0.0000

0.0000, 0.0000,  
0.0000

51.0337, 62.4237,  
24.6885

51.0337, 62.4237,  
24.6885

49.0467, 61.5241,  
19.0532

53.3340, 63.4556,  
31.8467

47.3473, 60.7398,  
14.8265


55.9621, 64.6189,  
40.6235


45.9132, 60.0641,  
11.8843


58.9370, 65.9234,  
51.1112


44.7160, 59.4857,  
10.0792


62.2747, 67.3757,  
63.3941


 43.7151, 58.9882,  
9.1967

 65.9904, 68.9817,  
77.5509

 43.5398, 58.9004,  
9.0741

 70.0984, 70.7472,  
93.6557

 73.2620, 72.1376,  
104.6704

 74.3664, 72.7069,  
104.7221

 75.4936, 73.2880,  
104.7748

# Harmonies

## Analogous

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



62.0204, 62.4237, 22.3925



51.0337, 62.4237, 24.6885



43.2937, 62.4237, 36.5391

# Triad

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



51.0337, 62.4237, 24.6885



46.9956, 62.4237, 132.5266



84.1939, 62.4237, 75.8408

# Complementary

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



51.0337, 62.4237, 24.6885



27.2444, 21.2150, 67.6284

# 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.



78.9099, 62.4237, 113.6425



51.0337, 62.4237, 24.6885



56.7222, 62.4237, 152.5691

# Square

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



51.0337, 62.4237, 24.6885



41.1820, 62.4237, 96.1192



68.4840, 62.4237, 144.7229



82.1569, 62.4237, 45.9331



# Rectangle

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



51.0337, 62.4237, 24.6885



40.5335, 62.4237, 51.1593



68.4840, 62.4237, 144.7229



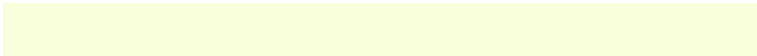
83.1945, 62.4237, 88.1078

# Sweetspot

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



51.0352, 62.4265, 24.6898



87.7107, 96.8199, 81.2904



38.9128, 31.1048, 19.2830



18.5523, 20.6270, 16.5916



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.



51.0352, 62.4265, 24.6898



71.3150, 89.5421, 27.4622



39.7680, 56.6181, 24.1625



13.2642, 14.4124, 13.2435



25.8474, 34.9012, 5.3743



1.6134, 2.1331, 0.3267



# Inverse Universe

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



27.2444, 21.2150, 67.6284



32.7221, 22.6042, 97.2461



36.9203, 26.2031, 68.0812



11.9299, 12.1053, 15.6453



7.8135, 3.1805, 38.6552



0.5312, 0.2227, 2.3343



# Previews

## White Background



This preview shows how the XYZ color 51.0337, 62.4237, 24.6885 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 51.0337, 62.4237, 24.6885 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

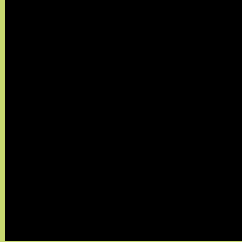
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 51.0337, 62.4237, 24.6885

## Background



This preview shows how black text looks on a background with the XYZ color 51.0337, 62.4237, 24.6885.



This preview shows how white text looks on a background with the XYZ color 51.0337, 62.4237,



# 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

51.0337, 62.4237, 24.6885

### Protanopia

57.0680, 62.2238, 23.4706

### Deuteranopia

63.3220, 61.9123, 25.4425



## Tritanopia

61.6625, 62.3501, 76.4950

# Trichromacy



## Original Color

51.0337, 62.4237, 24.6885

## Protanomaly

54.4763, 61.9707, 23.8422

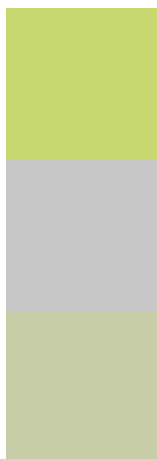
## Deuteranomaly

58.2917, 61.7472, 25.0658

## Tritanomaly

56.6285, 61.7133, 52.6433

# Monochromacy



## Original Color

51.0337, 62.4237, 24.6885

## Achromatopsia

54.2854, 57.1125, 62.1955

## Achromatomaly

52.3596, 58.5948, 45.1095

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.0337, 62.4237, 24.6885 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(199, 216, 112)` looks like.

```
.text, #text, p{  
    color:rgb(199, 216, 112)  
}
```

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(199, 216, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 216, 112) }
```

## Border

The CSS property to change the border of an element to XYZ 51.0337, 62.4237, 24.6885 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(199, 216, 112) }
```



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

```
.border{ border-color:rgb(199, 216, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 216, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 216, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 216, 112); box-shadow:4px 4px 4px 4px rgb(199, 216, 112) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.0337, 62.4237, 24.6885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 216, 112) }
```

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

```
.background{ background-color: rgb(199,  
216, 112) }
```

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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