

# Converting Colors

XYZ(36.3756, 49.4007, 23.8377)

Have a look what the booklet for  
XYZ(36.3756, 49.4007, 23.8377)  
contains.

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# Color

**XYZ(36.3756, 49.4007,  
23.8377)**

# Conversions

## Conversions Part 1

Format	Color
Hex	95C973
RGB	149, 201, 115
RGB Percent	58%, 79%, 45%
CMY	0.4157, 0.2117, 0.5490
CMYK	0.26, 0.00, 0.43, 0.21
HSL	96°, 44%, 62%
HSV	96°, 43%, 79%
XYZ	36.3756, 49.4007, 23.8377
YIQ	175.6480, -3.3860, -37.7700

# Conversions

## Conversions Part 2

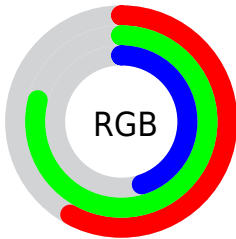
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">115, 201, 167</a>
Decimal	<a href="#">9816435</a>
CIELab	<a href="#">75.70, -32.24, 37.56</a>
CIELCh	<a href="#">76, 49.502, 130.640</a>
Yxy	<a href="#">49.4007, 0.3319, 0.4507</a>
Android (android.graphics.Color)	<a href="#">4288006515 (0xFF95C973)</a>
YUV	<a href="#">175.6480, -29.8995, -23.3703</a>
Hunter-Lab	<a href="#">70.2856, -30.6190, 29.0915</a>

# Details

The XYZ color **36.3756, 49.4007, 23.8377** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **32.6118, 24.6954, 58.3090**, and the grayscale version is **41.2366, 43.3841, 47.2453**.

A 20% lighter version of the original color is **68.0047, 87.3263, 50.3172**, and **16.2117, 23.7359, 8.7281** is the 20% darker color. If you saturate the color by 10%, you get **33.2401, 47.9052, 18.2978**, and if you desaturate by 10%, it is **39.9973, 51.1207, 30.7188**.

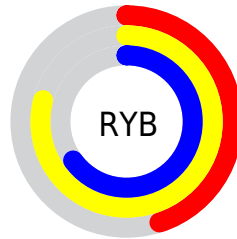
# Distribution



Red (58%)

Green (79%)

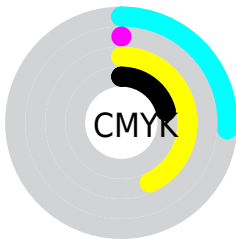
Blue (45%)



Red (45%)

Yellow (79%)

Blue (65%)

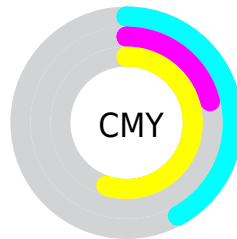


Cyan (26%)

Magenta (0%)

Yellow (43%)

Black (21%)



Cyan (42%)

Magenta (21%)

Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3756, 49.4007, 23.8377 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 36.3756, 49.4007, 23.8377 by changing the saturation by 10% instead.



■ 36.3756, 49.4007,  
23.8377

■ 36.3756, 49.4007,  
23.8377

322.0019,  
384.3177, 285.2590

■ 24.8959, 34.9374,  
15.0022

■ 68.9315, 89.2863,  
50.7057

■ 16.1278, 23.6147,  
8.6743

■ 90.7384, 115.4774,  
69.5753

■ 9.7061, 15.0480,  
4.4354

■ 116.7183,  
146.3466, 92.6267

■ 5.2653, 8.8531,  
1.8671

147.2367,  
182.2783, 120.2784

■ 2.4401, 4.6455,  
0.4717

182.6589,  
223.6569, 152.9489

■ 0.8651, 2.0408,  
0.0000

223.3503,

■ 0.0000, 0.6310,

270.8667, 191.0568

0.0000

269.6762,  
324.2921, 235.0207

■ 0.0000, 0.0000,  
0.0000

■ 36.3756, 49.4007,  
23.8377

■ 36.3756, 49.4007,  
23.8377

■ 33.2401, 47.9052,  
18.2978

■ 39.9973, 51.1207,  
30.7188

■ 30.5634, 46.6175,  
14.0082

■ 44.1232, 53.0683,  
39.0175

■ 28.3208, 45.5284,  
10.8722


■ 48.7750, 55.2545,  
48.8084


■ 26.4831, 44.6256,  
8.7770


■ 53.9719, 57.6877,  
60.1598


■ 25.0165, 43.8943,  
7.5874


■ 59.7320, 60.3759,  
73.1359

 24.1506, 43.4575,  
7.1153

 66.0725, 63.3266,  
87.7972

 72.8961, 66.5016,  
103.6018

 77.0264, 68.6309,  
103.7951

 80.1777, 70.2554,  
103.9426

# Harmonies

## Analogous

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



43.7713, 49.4007, 17.8460



36.3756, 49.4007, 23.8377



32.1990, 49.4007, 38.7183

# Triad

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



36.3756, 49.4007, 23.8377



41.3451, 49.4007, 116.9235



66.5139, 49.4007, 44.9892

# Complementary

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



36.3756, 49.4007, 23.8377



32.6118, 24.6954, 58.3090

# 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.



65.6420, 49.4007, 72.3365



36.3756, 49.4007, 23.8377



50.2871, 49.4007, 120.2917

# Square

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



36.3756, 49.4007, 23.8377



34.7990, 49.4007, 93.8622



59.4066, 49.4007, 101.9577



61.6531, 49.4007, 27.1367

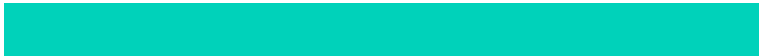


# Rectangle

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



36.3756, 49.4007, 23.8377



31.4303, 49.4007, 54.3553



59.4066, 49.4007, 101.9577



66.8958, 49.4007, 53.2266

# Sweetspot

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



36.3768, 49.4028, 23.8388



83.1707, 94.4404, 82.8471



40.9295, 41.1484, 22.0056



17.4051, 20.0279, 16.8859



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

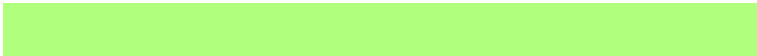


# Same Dimension

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



36.3768, 49.4028, 23.8388



57.4447, 82.2716, 32.2377



31.5712, 46.8656, 26.3192



10.8876, 12.0890, 11.3223



15.2808, 27.3728, 4.4781



0.8047, 1.3379, 0.2158



# Inverse Universe

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



32.6118, 24.6954, 58.3090



50.1666, 34.6540, 98.6526



39.7789, 28.5038, 53.5096



10.6616, 10.5993, 13.4014



11.7400, 5.2864, 35.1460



0.6357, 0.2915, 1.6679



# Previews

## White Background



This preview shows how the XYZ color 36.3756, 49.4007, 23.8377 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 36.3756, 49.4007, 23.8377 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 36.3756, 49.4007, 23.8377**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.3756, 49.4007, 23.8377.



This preview shows how white text looks on a background with the XYZ color 36.3756, 49.4007,



# 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

36.3756, 49.4007, 23.8377

### Protanopia

45.2211, 49.0593, 21.5540

### Deuteranopia

50.0510, 49.0441, 24.5978



## Tritanopia

44.6583, 49.0697, 65.5102

# Trichromacy



## Original Color

36.3756, 49.4007, 23.8377

## Protanomaly

41.2672, 48.5996, 22.2446

## Deuteranomaly

43.8549, 48.2961, 24.1502

## Tritanomaly

40.9352, 48.8698, 46.8105

# Monochromacy



## Original Color

36.3756, 49.4007, 23.8377

## Achromatopsia

41.2663, 43.4154, 47.2793

## Achromatomaly

38.9076, 45.1380, 37.2337

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.3756, 49.4007, 23.8377 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(149, 201, 115)` looks like.

```
.text, #text, p{  
    color:rgb(149, 201, 115)  
}
```

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(149, 201, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 201, 115) }
```

## Border

The CSS property to change the border of an element to XYZ 36.3756, 49.4007, 23.8377 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(149, 201, 115) }
```



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

```
.border{ border-color:rgb(149, 201, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 201, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(149, 201, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(149, 201, 115); box-shadow:4px 4px 4px 4px rgb(149, 201, 115) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.3756, 49.4007, 23.8377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 201, 115) }
```

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

```
.background{ background-color: rgb(149,  
201, 115) }
```

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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