

# Converting Colors

XYZ(48.5482, 63.5591, 37.5094)

Have a look what the booklet for  
XYZ(48.5482, 63.5591, 37.5094)  
contains.

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# Color

**XYZ(48.4487, 63.5399,  
37.3147)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABDF93
RGB	171, 223, 147
RGB Percent	67%, 87%, 58%
CMY	0.3294, 0.1255, 0.4235
CMYK	0.23, 0.00, 0.34, 0.13
HSL	101°, 54%, 73%
HSV	101°, 34%, 87%
XYZ	48.4487, 63.5399, 37.3147
YIQ	198.7880, -6.5960, -34.6600

# Conversions

## Conversions Part 2

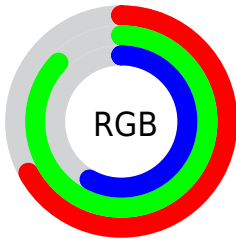
Format	Color
<a href="#">RYB</a>	<a href="#">147, 223, 199</a>
Decimal	<a href="#">11263891</a>
CIELab	<a href="#">83.73, -30.44, 31.98</a>
CIELCh	<a href="#">84, 44.154, 133.589</a>
Yxy	<a href="#">63.5399, 0.3245, 0.4256</a>
Android (android.graphics.Color)	<a href="#">4289453971</a> ( <a href="#">0xFFABDF93</a> )
YUV	<a href="#">198.7880, -25.5315, -24.3701</a>
Hunter-Lab	<a href="#">79.7119, -31.0040, 28.0435</a>

# Details

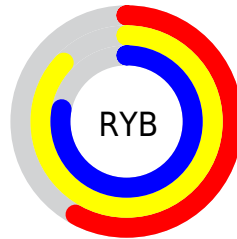
The XYZ color **48.4487, 63.5399, 37.3147** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.3091, 38.3392, 74.7223**, and the grayscale version is **54.3119, 57.1404, 62.2258**.

A 20% lighter version of the original color is **78.0992, 92.1152, 69.5409**, and **23.4043, 32.6134, 15.8880** is the 20% darker color. If you saturate the color by 10%, you get **43.7319, 61.2932, 28.8282**, and if you desaturate by 10%, it is **53.8917, 66.1256, 47.6085**.

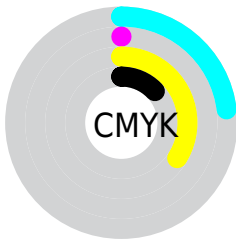
# Distribution



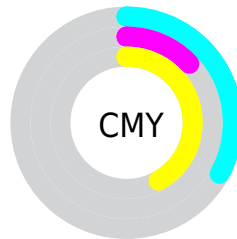
- Red (67%)
- Green (87%)
- Blue (58%)



- Red (58%)
- Yellow (87%)
- Blue (78%)



- Cyan (23%)
- Magenta (0%)
- Yellow (34%)
- Black (13%)




- Cyan (33%)
- Magenta (13%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4487, 63.5399, 37.3147 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 48.4487, 63.5399, 37.3147 by changing the saturation by 10% instead.





 48.4487, 63.5399,  
37.3147


 48.4487, 63.5399,  
37.3147


371.1210,  
437.5262, 349.8806

 34.3951, 46.2781,  
25.1535


 87.0778, 109.9481,  
72.2483

 23.3616, 32.4653,  
15.9714


 112.3839,  
139.8632, 95.8577

 14.9829, 21.7172,  
9.3498


142.1716,  
174.7650, 124.1204

 8.8936, 13.6492,  
4.8701

176.8062,  
215.0377, 157.4548

 4.7284, 7.8771,  
2.1139

216.6531,  
261.0658, 196.2795

 2.1219, 4.0164,  
0.6240

262.0777,

 0.7011, 1.6828,

313.2336, 241.0130

0.0000

313.4451,  
371.9257, 292.0739

0.0000, 0.4125,  
0.0000

0.0000, 0.0000,  
0.0000

48.4487, 63.5399,  
37.3147

48.4487, 63.5399,  
37.3147

43.7319, 61.2932,  
28.8282

53.8917, 66.1256,  
47.6085

39.7039, 59.3627,  
22.0405

60.0866, 69.0557,  
59.8012

36.3308, 57.7355,  
16.8382

67.0635, 72.3458,  
73.9835

33.5736, 56.3942,  
13.0921

74.8496, 76.0080,  
90.2386

■ 31.3886, 55.3195,  
10.6527

■ 82.9011, 79.8260,  
105.6463

■ 29.7246, 54.4890,  
9.3383

■ 85.6790, 81.2580,  
105.7763

■ 28.9448, 54.0956,  
8.9159

# Harmonies

## Analogous

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



56.1250, 63.5399, 29.2329



48.4487, 63.5399, 37.3147



44.2419, 63.5399, 55.1916

# Triad

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



48.4487, 63.5399, 37.3147



55.2858, 63.5399, 133.9397



80.3484, 63.5399, 57.4021

# Complementary

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



48.4487, 63.5399, 37.3147



47.3091, 38.3392, 74.7223

# 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.



80.0617, 63.5399, 85.3618



48.4487, 63.5399, 37.3147



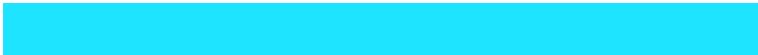
64.8716, 63.5399, 134.9981

# Square

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



48.4487, 63.5399, 37.3147



47.8911, 63.5399, 112.8226



74.1543, 63.5399, 115.4146



74.9002, 63.5399, 38.5585



# Rectangle

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



48.4487, 63.5399, 37.3147



43.6580, 63.5399, 72.5740



74.1543, 63.5399, 115.4146



80.9358, 63.5399, 65.9015

# Sweetspot

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



48.4503, 63.5426, 37.3161



85.0823, 95.3048, 88.4066



56.1086, 58.6135, 35.9610



17.9302, 20.2666, 18.3545



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

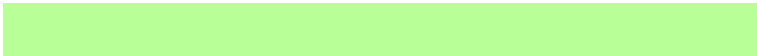


# Same Dimension

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



48.4503, 63.5426, 37.3161



60.9398, 83.8606, 42.0194



44.8494, 61.5522, 43.2057



13.9340, 15.5462, 14.5731



17.1217, 31.8591, 5.2470



1.2773, 2.2550, 0.3679



# Inverse Universe

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



47.3091, 38.3392, 74.7223



59.1488, 44.7043, 100.1191



52.3845, 41.1639, 65.5523



13.8521, 13.7073, 17.3034



15.6319, 7.1539, 41.6053



1.1749, 0.5430, 2.8881



# Previews

## White Background



This preview shows how the XYZ color 48.4487, 63.5399, 37.3147 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 48.4487, 63.5399, 37.3147 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 48.4487, 63.5399, 37.3147**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.4487, 63.5399, 37.3147.



This preview shows how white text looks on a background with the XYZ color 48.4487, 63.5399,



# 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

48.4487, 63.5399, 37.3147

### Protanopia

58.4149, 63.0424, 34.2889

### Deuteranopia

64.0970, 62.7067, 38.4311



## Tritanopia

57.8443, 63.4920, 84.0694

# Trichromacy



## Original Color

48.4487, 63.5399, 37.3147

## Protanomaly

53.9290, 62.5508, 35.2178

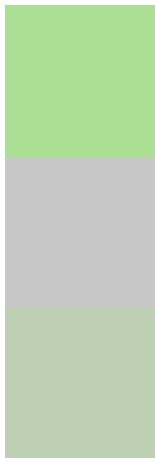
## Deuteranomaly

57.2743, 62.3738, 37.8748

## Tritanomaly

53.8286, 63.3795, 64.0400

# Monochromacy



## Original Color

48.4487, 63.5399, 37.3147

## Achromatopsia

54.2854, 57.1125, 62.1955

## Achromatomaly

51.7804, 59.2259, 51.8826

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.4487, 63.5399, 37.3147 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(171, 223, 147)` looks like.

```
.text, #text, p{  
    color:rgb(171, 223, 147)  
}
```

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(171, 223, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 223, 147) }
```

## Border

The CSS property to change the border of an element to XYZ 48.4487, 63.5399, 37.3147 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(171, 223, 147) }
```



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

```
.border{ border-color:rgb(171, 223, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 223, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 223, 147); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 223, 147); box-shadow:4px 4px 4px 4px rgb(171, 223, 147) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.4487, 63.5399, 37.3147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 223, 147) }
```

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

```
.background{ background-color: rgb(171,  
223, 147) }
```

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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