

# Converting Colors

XYZ(38.6025, 47.7275, 29.1190)

Have a look what the booklet for  
XYZ(38.6025, 47.7275, 29.1190)  
contains.

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# Color

**XYZ(38.5447, 47.6984,  
29.0050)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A4C184
RGB	164, 193, 132
RGB Percent	64%, 76%, 52%
CMY	0.3569, 0.2431, 0.4823
CMYK	0.15, 0.00, 0.32, 0.24
HSL	89°, 33%, 64%
HSV	89°, 32%, 76%
XYZ	38.5447, 47.6984, 29.0050
YIQ	177.3750, 2.2970, -25.1190

# Conversions

## Conversions Part 2

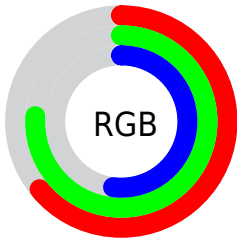
<b>Format</b>	<b>Color</b>
<b>RYB</b>	132, 193, 161
Decimal	10797444
CIELab	74.63, -20.57, 27.58
CIELCh	75, 34.406, 126.719
Yxy	47.6984, 0.3344, 0.4139
Android (android.graphics.Color)	4288987524 (0xFFA4C184)
YUV	177.3750, -22.3699, -11.7299
Hunter-Lab	69.0640, -21.2410, 23.4446

# Details

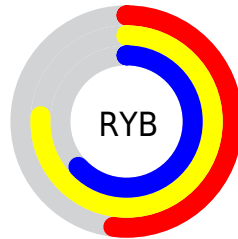
The XYZ color **38.5447, 47.6984, 29.0050** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.5768, 27.9312, 54.1290**, and the grayscale version is **42.1015, 44.2940, 48.2362**.

A 20% lighter version of the original color is **72.5637, 87.1320, 59.4480**, and **17.3112, 22.4539, 11.4043** is the 20% darker color. If you saturate the color by 10%, you get **35.5187, 46.2786, 22.5955**, and if you desaturate by 10%, it is **41.9542, 49.2906, 36.7099**.

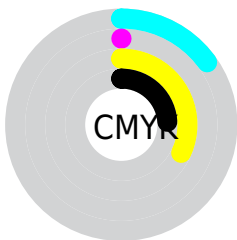
# Distribution



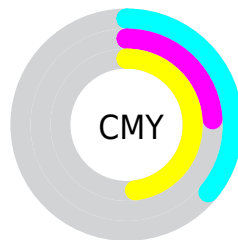
- Red (64%)
- Green (76%)
- Blue (52%)



- Red (52%)
- Yellow (76%)
- Blue (63%)



- Cyan (15%)
- Magenta (0%)
- Yellow (32%)
- Black (24%)



- Cyan (36%)
- Magenta (24%)
- Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5447, 47.6984, 29.0050 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 38.5447, 47.6984, 29.0050 by changing the saturation by 10% instead.





 38.5447, 47.6984,  
29.0050


 38.5447, 47.6984,  
29.0050


331.1914,  
377.5954, 311.3002


 26.5848, 33.5881,  
18.8390


 72.2408, 86.7552,  
59.1273

 17.3966, 22.5774,  
11.3784


 94.7077, 112.4705,  
79.9207

 10.6147, 14.2817,  
6.2046


 121.4078,  
142.8229, 105.0936

 5.8738, 8.3169,  
2.8991

152.7062,  
178.1968, 135.0646

 2.8084, 4.2984,  
1.0433

188.9685,  
218.9766, 170.2522

 1.0533, 1.8418,  
0.0000

230.5598,

 0.0000, 0.5130,

265.5467, 211.0750

0.0000

277.8457,  
318.2915, 257.9515

0.0000, 0.0000,  
0.0000

38.5447, 47.6984,  
29.0050

38.5447, 47.6984,  
29.0050

35.5187, 46.2786,  
22.5955

41.9542, 49.2906,  
36.7099

32.8561, 45.0181,  
17.4070

45.7588, 51.0552,  
45.7728

30.5404, 43.9115,  
13.3625


49.9741, 53.0006,  
56.2560


28.5521, 42.9505,  
10.3748

54.6134, 55.1323,  
68.2171


26.8691, 42.1261,  
8.3443


59.6897, 57.4559,  
81.7104


 25.4655, 41.4274,  
7.1522

 65.2152, 59.9764,  
96.7875

 24.4647, 40.9225,  
6.6094

 69.1907, 61.8945,  
102.9078

 72.1838, 63.4375,  
103.0479

 75.3339, 65.0614,  
103.1953

# Harmonies

## Analogous

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



43.9488, 47.6984, 24.7729



38.5447, 47.6984, 29.0050



35.1991, 47.6984, 39.5224

# Triad

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



38.5447, 47.6984, 29.0050



40.7645, 47.6984, 90.2500



58.3027, 47.6984, 48.0243

# Complementary

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



38.5447, 47.6984, 29.0050



32.5768, 27.9312, 54.1290

# 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.



57.2530, 47.6984, 66.7083



38.5447, 47.6984, 29.0050



46.7518, 47.6984, 93.9974

# Square

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



38.5447, 47.6984, 29.0050



36.3963, 47.6984, 75.2645



52.8813, 47.6984, 84.5721



55.6312, 47.6984, 34.0065



# Rectangle

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



38.5447, 47.6984, 29.0050



34.3979, 47.6984, 49.9967



52.8813, 47.6984, 84.5721



58.3768, 47.6984, 53.9237

# Sweetspot

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



38.5459, 47.7005, 29.0060



83.7426, 92.2644, 86.3645



38.8109, 38.3089, 27.1793



17.7356, 19.6875, 17.9636



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

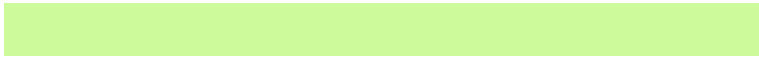


# Same Dimension

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



38.5459, 47.7005, 29.0060



65.1736, 83.6172, 43.6878



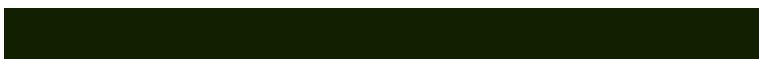
33.0731, 44.8791, 28.7499



10.4373, 11.5129, 10.7340



16.3640, 27.2648, 4.4002



0.7862, 1.2188, 0.1938



# Inverse Universe

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



32.5768, 27.9312, 54.1290



52.7936, 42.6094, 95.8022



39.3562, 31.4261, 54.4462



9.9736, 9.9776, 12.6850



9.4131, 4.1131, 33.8544



0.4863, 0.2187, 1.4665



# Previews

## White Background



This preview shows how the XYZ color 38.5447, 47.6984, 29.0050 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 38.5447, 47.6984, 29.0050 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 38.5447, 47.6984, 29.0050**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.5447, 47.6984, 29.0050.



This preview shows how white text looks on a background with the XYZ color 38.5447, 47.6984,



# 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

38.5447, 47.6984, 29.0050

### Protanopia

44.1185, 47.4313, 27.2519

### Deuteranopia

48.2882, 47.4272, 29.9019



## Tritanopia

45.1133, 47.8201, 60.8853

# Trichromacy



## Original Color

38.5447, 47.6984, 29.0050

## Protanomaly

41.9825, 47.5647, 27.7371

## Deuteranomaly

44.1271, 47.0755, 29.6824

## Tritanomaly

42.2986, 47.6076, 47.5173

# Monochromacy



## Original Color

38.5447, 47.6984, 29.0050

## Achromatopsia

41.7894, 43.9657, 47.8787

## Achromatomaly

40.3798, 45.2108, 40.3165

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.5447, 47.6984, 29.0050 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(164, 193, 132)` looks like.

```
.text, #text, p{  
    color:rgb(164, 193, 132)  
}
```

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(164, 193, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 193, 132) }
```

## Border

The CSS property to change the border of an element to XYZ 38.5447, 47.6984, 29.0050 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(164, 193, 132) }
```



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

```
.border{ border-color:rgb(164, 193, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 193, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 193, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 193, 132);  
box-shadow:4px 4px 4px 4px rgb(164, 193,  
132) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.5447, 47.6984, 29.0050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 193, 132) }
```

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

```
.background{ background-color: rgb(164,  
193, 132) }
```

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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