

# Converting Colors

XYZ(41.5179, 51.6971, 30.9784)

Have a look what the booklet for  
XYZ(41.5179, 51.6971, 30.9784)  
contains.

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# **Color**

**XYZ(41.4604, 51.5211,  
31.0519)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A9C888
RGB	169, 200, 136
RGB Percent	66%, 78%, 53%
CMY	0.3373, 0.2157, 0.4667
CMYK	0.16, 0.00, 0.32, 0.22
HSL	89°, 37%, 66%
HSV	89°, 32%, 78%
XYZ	41.4604, 51.5211, 31.0519
YIQ	183.4350, 2.0680, -26.4760

# Conversions

## Conversions Part 2

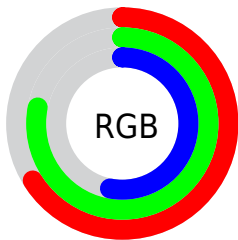
<b>Format</b>	<b>Color</b>
<b>RYB</b>	136, 200, 167
Decimal	11126920
CIELab	76.99, -21.63, 28.69
CIElCh	77, 35.931, 127.021
Yxy	51.5211, 0.3343, 0.4154
Android (android.graphics.Color)	4289317000 (0xFFA9C888)
YUV	183.4350, -23.3855, -12.6595
Hunter-Lab	71.7782, -22.5070, 24.5953

# Details

The XYZ color **41.4604, 51.5211, 31.0519** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.1679, 29.9953, 58.5825**, and the grayscale version is **45.3736, 47.7365, 51.9851**.

A 20% lighter version of the original color is **76.1056, 91.2453, 62.3161**, and **19.1210, 24.9266, 12.3979** is the 20% darker color. If you saturate the color by 10%, you get **38.1678, 49.9745, 24.1578**, and if you desaturate by 10%, it is **45.1749, 53.2577, 39.3523**.

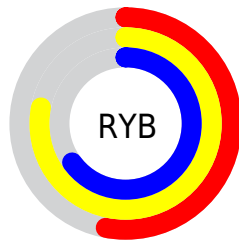
# Distribution



Red (66%)

Green (78%)

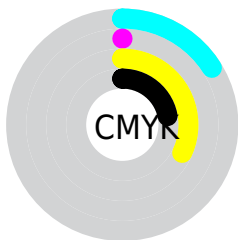
Blue (53%)



Red (53%)

Yellow (78%)

Blue (65%)

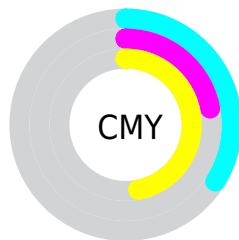


Cyan (16%)

Magenta (0%)

Yellow (32%)

Black (22%)



Cyan (34%)

Magenta (22%)

Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4604, 51.5211, 31.0519 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 41.4604, 51.5211, 31.0519 by changing the saturation by 10% instead.



■ 41.4604, 51.5211,  
31.0519

■ 41.4604, 51.5211,  
31.0519

343.2710,  
392.5850, 321.1359

■ 28.8683, 36.6235,  
20.3796

■ 76.6526, 92.4246,  
62.4023

■ 19.1250, 24.9161,  
12.4844

■ 99.9834, 119.1992,  
83.9175

■ 11.8652, 16.0146,  
6.9480

■ 127.6244,  
150.7017, 109.8840

■ 6.7235, 9.5345,  
3.3516

159.9411,  
187.3164, 140.7204

■ 3.3346, 5.0914,  
1.2769

197.2987,  
229.4277, 176.8453

■ 1.3331, 2.3010,  
0.0427

240.0627,

■ 0.2078, 0.7742,

277.4199, 218.6771

0.0000

288.5983,  
331.6776, 266.6345

■ 0.0000, 0.0000,  
0.0000

■ 41.4604, 51.5211,  
31.0519

■ 41.4604, 51.5211,  
31.0519

■ 38.1678, 49.9745,  
24.1578

■ 45.1749, 53.2577,  
39.3523

■ 35.2752, 48.6036,  
18.5888

■ 49.3243, 55.1847,  
49.1278

■ 32.7641, 47.4023,  
14.2603


■ 53.9257, 57.3111,  
60.4465

■ 30.6129, 46.3615,  
11.0766


■ 58.9940, 59.6431,  
73.3712

■ 28.7971, 45.4711,  
8.9281


■ 64.5435, 62.1867,  
87.9615


 27.2880, 44.7191,  
7.6836

 70.4255, 64.8830,  
103.4196

 26.2625, 44.2012,  
7.1475

 73.5704, 66.5043,  
103.5668

 76.8901, 68.2156,  
103.7221

 79.9453, 69.7906,  
103.8651

# Harmonies

## Analogous

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



47.3772, 51.5211, 26.3739



41.4604, 51.5211, 31.0519



37.8183, 51.5211, 42.6244

# Triad

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



41.4604, 51.5211, 31.0519



44.0059, 51.5211, 98.4766



63.2369, 51.5211, 51.6130

# Complementary

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



41.4604, 51.5211, 31.0519



35.1679, 29.9953, 58.5825

# 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.



62.1214, 51.5211, 72.1474



41.4604, 51.5211, 31.0519



50.5966, 51.5211, 102.4732

# Square

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



41.4604, 51.5211, 31.0519



39.1894, 51.5211, 82.0081



57.3340, 51.5211, 91.9195



60.2541, 51.5211, 36.3156



# Rectangle

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



41.4604, 51.5211, 31.0519



36.9602, 51.5211, 54.1602



57.3340, 51.5211, 91.9195



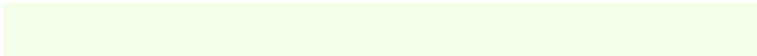
63.3329, 51.5211, 58.0809

# Sweetspot

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



41.4617, 51.5233, 31.0530



86.8134, 96.1971, 88.4876



42.0718, 41.6718, 29.1193



18.3479, 20.4819, 18.3741



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

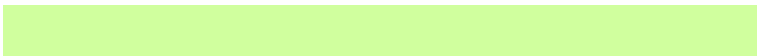


# Same Dimension

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



41.4617, 51.5233, 31.0530



67.9695, 87.4107, 45.6825



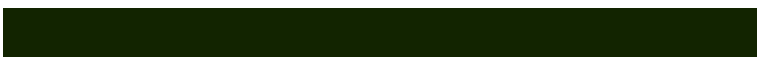
35.4272, 48.4124, 30.7706



11.0103, 12.1522, 11.3281



16.8017, 28.1569, 4.5493



0.8790, 1.3762, 0.2193



# Inverse Universe

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



35.1679, 29.9953, 58.5825



55.4818, 44.6927, 100.3101



42.7670, 33.9128, 58.9381



10.5375, 10.5354, 13.3956



9.8580, 4.3162, 35.0579



0.5503, 0.2474, 1.6639



# Previews

## White Background



This preview shows how the XYZ color 41.4604, 51.5211, 31.0519 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 41.4604, 51.5211, 31.0519 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 41.4604, 51.5211, 31.0519**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.4604, 51.5211, 31.0519.



This preview shows how white text looks on a background with the XYZ color 41.4604, 51.5211,



# 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

41.4604, 51.5211, 31.0519

### Protanopia

47.7552, 51.4720, 29.2479

### Deuteranopia

52.2020, 51.1966, 31.9415



## Tritanopia

48.3618, 51.3015, 65.7458

# Trichromacy



## Original Color

41.4604, 51.5211, 31.0519

## Protanomaly

45.2637, 51.4835, 29.7420

## Deuteranomaly

47.7596, 51.0966, 31.7715

## Tritanomaly

45.3115, 51.0337, 51.1784

# Monochromacy



## Original Color

41.4604, 51.5211, 31.0519

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

43.4406, 48.6133, 43.1701

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.4604, 51.5211, 31.0519 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(169, 200, 136)` looks like.

```
.text, #text, p{  
    color:rgb(169, 200, 136)  
}
```

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(169, 200, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 200, 136) }
```

## Border

The CSS property to change the border of an element to XYZ 41.4604, 51.5211, 31.0519 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(169, 200, 136) }
```



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

```
.border{ border-color:rgb(169, 200, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 200, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 200, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 200, 136);  
box-shadow:4px 4px 4px 4px rgb(169, 200,  
136) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.4604, 51.5211, 31.0519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 200, 136) }
```

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

```
.background{ background-color: rgb(169,  
200, 136) }
```

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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