

# Converting Colors

XYZ(43.1522, 51.3734, 30.9314)

Have a look what the booklet for  
XYZ(43.1522, 51.3734, 30.9314)  
contains.

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# Color

**XYZ(43.2326, 51.4134,  
30.9377)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4C588
RGB	180, 197, 136
RGB Percent	71%, 77%, 53%
CMY	0.2941, 0.2274, 0.4667
CMYK	0.09, 0.00, 0.31, 0.23
HSL	77°, 34%, 65%
HSV	77°, 31%, 77%
XYZ	43.2326, 51.4134, 30.9377
YIQ	184.9630, 9.4490, -22.5750

# Conversions

## Conversions Part 2

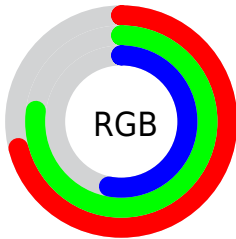
<b>Format</b>	<b>Color</b>
<b>RYB</b>	136, 197, 153
Decimal	11847048
CIELab	76.93, -16.03, 28.74
CIElCh	77, 32.905, 119.148
Yxy	51.4134, 0.3443, 0.4094
Android (android.graphics.Color)	4290037128 (0xFFB4C588)
YUV	184.9630, -24.1388, -4.3526
Hunter-Lab	71.7031, -17.8559, 24.6104

# Details

The XYZ color **43.2326, 51.4134, 30.9377** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **32.0211, 28.4132, 56.6228**, and the grayscale version is **46.2210, 48.6281, 52.9560**.

A 20% lighter version of the original color is **79.3281, 92.4342, 62.3757**, and **20.0663, 24.7364, 12.3113** is the 20% darker color. If you saturate the color by 10%, you get **40.7065, 50.2599, 24.1707**, and if you desaturate by 10%, it is **46.0694, 52.7005, 39.0646**.

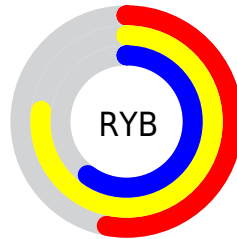
# Distribution



Red (71%)

Green (77%)

Blue (53%)



Red (53%)

Yellow (77%)

Blue (60%)

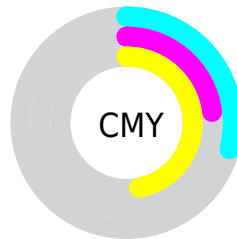


Cyan (9%)

Magenta (0%)

Yellow (31%)

Black (23%)



Cyan (29%)

Magenta (23%)


Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.2326, 51.4134, 30.9377 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 43.2326, 51.4134, 30.9377 by changing the saturation by 10% instead.





 43.2326, 51.4134,  
30.9377


 43.2326, 51.4134,  
30.9377


350.4728,  
392.1678, 320.5935


 30.2630, 36.5377,  
20.2933


 79.3153, 92.2656,  
62.2204

 20.1873, 24.8498,  
12.4223


 103.1590,  
119.0108, 83.6958

 12.6404, 15.9652,  
6.9059


 131.3582,  
150.4814, 109.6187

 7.2566, 9.4995,  
3.3258

164.2781,  
187.0617, 140.4075

 3.6709, 5.0684,  
1.2633

202.2842,  
229.1361, 176.4809

 1.5177, 2.2875,  
0.0314

245.7418,

 0.3378, 0.7671,

277.0890, 218.2573

0.0000

295.0162,  
331.3047, 266.1553

■ 0.0000, 0.0000,  
0.0000

■ 43.2326, 51.4134,  
30.9377

■ 43.2326, 51.4134,  
30.9377

■ 40.7065, 50.2599,  
24.1707

■ 46.0694, 52.7005,  
39.0646

■ 38.4724, 49.2273,  
18.6860

■ 49.2265, 54.1199,  
48.6169

■ 36.5156, 48.3113,  
14.4032


■ 52.7180, 55.6790,  
59.6596


■ 34.8182, 47.5047,  
11.2313


■ 56.5559, 57.3828,  
72.2530


■ 33.3600, 46.7994,  
9.0666

■ 60.7514, 59.2357,  
86.4540


 32.1168, 46.1855,  
7.7857

 65.3154, 61.2421,  
102.3164

 31.1382, 45.6935,  
7.1786

 67.0627, 62.1281,  
103.0651

 68.7368, 62.9911,  
103.1434

 70.4658, 63.8825,  
103.2243

# Harmonies

## Analogous

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



49.0461, 51.4134, 28.0908



43.2326, 51.4134, 30.9377



39.2399, 51.4134, 40.0906

# Triad

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



43.2326, 51.4134, 30.9377



42.9475, 51.4134, 91.1179



61.9248, 51.4134, 56.4946

# Complementary

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



43.2326, 51.4134, 30.9377



32.0211, 28.4132, 56.6228

# Split Complementary

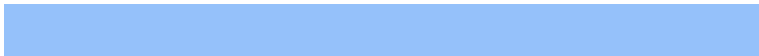
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



59.9522, 51.4134, 75.5959



43.2326, 51.4134, 30.9377



48.6881, 51.4134, 98.0337

# Square

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



43.2326, 51.4134, 30.9377



39.0855, 51.4134, 74.5164



54.9706, 51.4134, 91.8290



60.1575, 51.4134, 40.8055



# Rectangle

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



43.2326, 51.4134, 30.9377



37.9678, 51.4134, 49.7349



54.9706, 51.4134, 91.8290



61.6746, 51.4134, 62.7281

# Sweetspot

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



43.2339, 51.4157, 30.9388



89.2581, 97.4159, 90.4799



38.7433, 36.1926, 28.2371



18.9147, 20.7658, 18.7747



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

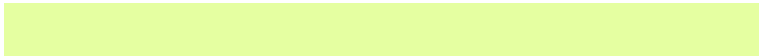


# Same Dimension

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



43.2339, 51.4157, 30.9388



74.3797, 90.6896, 47.1412



37.0325, 48.2188, 30.6486



11.2246, 12.2627, 11.3381



20.5644, 30.0966, 4.7254



1.0414, 1.4600, 0.2269



# Inverse Universe

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



32.0211, 28.4132, 56.6228



51.2150, 43.1460, 100.2364



38.3570, 31.6795, 56.9193



10.3296, 10.4282, 13.3859



7.7327, 3.2206, 34.9584

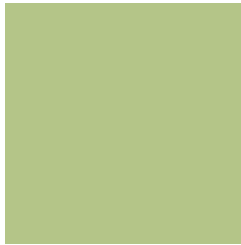


0.4384, 0.1898, 1.6587



# Previews

## White Background



This preview shows how the XYZ color 43.2326, 51.4134, 30.9377 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

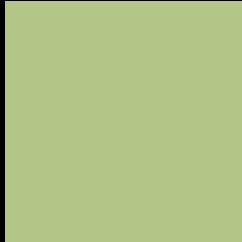
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.2326, 51.4134, 30.9377 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 43.2326, 51.4134, 30.9377**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.2326, 51.4134, 30.9377.



This preview shows how white text looks on a background with the XYZ color 43.2326, 51.4134,



# 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

43.2326, 51.4134, 30.9377

### Protanopia

47.8239, 51.4995, 29.6101

### Deuteranopia

52.1286, 51.1673, 31.5549



## Tritanopia

49.7490, 51.0971, 63.7406

# Trichromacy



## Original Color

43.2326, 51.4134, 30.9377

## Protanomaly

46.1380, 51.5969, 30.0817

## Deuteranomaly

48.3702, 50.7855, 31.2980

## Tritanomaly

47.0172, 50.9554, 50.0051

# Monochromacy



## Original Color

43.2326, 51.4134, 30.9377

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

44.7011, 49.2525, 43.7099

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.2326, 51.4134, 30.9377 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(180, 197, 136)` looks like.

```
.text, #text, p{  
    color:rgb(180, 197, 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(180, 197, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 197, 136) }
```

## Border

The CSS property to change the border of an element to XYZ 43.2326, 51.4134, 30.9377 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(180, 197, 136) }
```



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

```
.border{ border-color:rgb(180, 197, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 197, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 197, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 197, 136);  
box-shadow:4px 4px 4px 4px rgb(180, 197,  
136) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.2326, 51.4134, 30.9377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 197, 136) }
```

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

```
.background{ background-color: rgb(180,  
197, 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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