

Converting Colors

XYZ(44.7194, 51.1154, 30.6754)

Have a look what the booklet for
XYZ(44.7194, 51.1154, 30.6754)
contains.

XYZ(44.7220, 51.1800, 30.8142)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(44.7220, 51.1800,
30.8142)**

Conversions

Conversions Part 1	
Format	Color
Hex	BDC288
RGB	189, 194, 136
RGB Percent	74%, 76%, 53%
CMY	0.2588, 0.2392, 0.4667
CMYK	0.03, 0.00, 0.30, 0.24
HSL	65°, 32%, 65%
HSV	65°, 30%, 76%
XYZ	44.7220, 51.1800, 30.8142
YIQ	185.8930, 15.6380, -19.0980

Conversions

Conversions Part 2

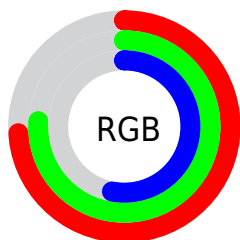
Format	Color
RYB	136, 194, 141
Decimal	12436104
CIELab	76.79, -11.05, 28.67
CIELCh	77, 30.728, 111.085
Yxy	51.1800, 0.3529, 0.4039
Android (android.graphics.Color)	4290626184 (0xFFBDC288)
YUV	185.8930, -24.5972, 2.7248
Hunter-Lab	71.5402, -13.6095, 24.5404

Details

The XYZ color **44.7220, 51.1800, 30.8142** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **29.5283, 27.1675, 54.7294**, and the grayscale version is **46.7406, 49.1747, 53.5513**.

A 20% lighter version of the original color is **81.4859, 91.6818, 62.1168**, and **21.0094, 24.5629, 12.2281** is the 20% darker color. If you saturate the color by 10%, you get **43.0538, 50.4668, 24.1789**, and if you desaturate by 10%, it is **46.6472, 52.0001, 38.7663**.

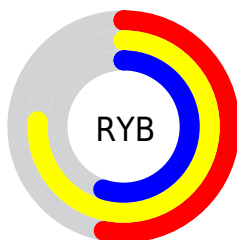
Distribution



Red (74%)

Green (76%)

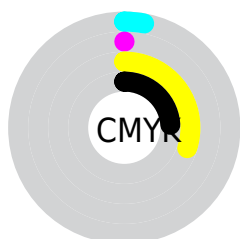
Blue (53%)



Red (53%)

Yellow (76%)

Blue (55%)

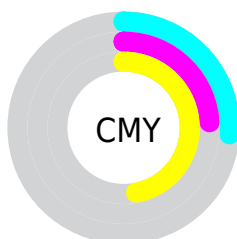


Cyan (3%)

Magenta (0%)

Yellow (30%)

Black (24%)



Cyan (26%)


Magenta (24%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.7220, 51.1800, 30.8142 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 44.7220, 51.1800, 30.8142 by changing the saturation by 10% instead.


 44.7220, 51.1800,
30.8142


 44.7220, 51.1800,
30.8142


356.4491,
391.2627, 320.0061


 31.4389, 36.3519,
20.2001


 81.5427, 91.9208,
62.0236

 21.0867, 24.7061,
12.3551


 105.8110,
118.6022, 83.4560

 13.3002, 15.8582,
6.8605


 134.4717,
150.0036, 109.3315

 7.7140, 9.4239,
3.2979

167.8902,
186.5093, 140.0688

 3.9628, 5.0187,
1.2487

206.4319,
228.5036, 176.0864

 1.6811, 2.2582,
0.0192


250.4620,


 0.4444, 0.7515,


276.3710, 217.8028


0.0000


300.3460,
330.4959, 265.6365


 0.0000, 0.0000,
0.0000


 44.7220, 51.1800,
30.8142


 44.7220, 51.1800,
30.8142

 43.0538, 50.4668,
24.1789


 46.6472, 52.0001,
38.7663


 41.6253, 49.8482,
18.7862


 48.8379, 52.9252,
48.0976

 40.4229, 49.3207,
14.5596


 51.3072, 53.9623,
58.8704


 39.4302, 48.8776,
11.4127


 54.0660, 55.1157,
71.1423


 38.6286, 48.5114,
9.2471


 57.1245, 56.3896,
84.9676


 37.9959, 48.2134,
7.9468


 60.4928, 57.7879,
100.3982

 37.4898, 47.9666,
7.2882

 61.3546, 58.1843,
102.6047

 37.4848, 47.9641,
7.2823

 61.8063, 58.4171,
102.6258

 62.2629, 58.6525,
102.6472

Harmonies

Analogous

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



50.4034, 51.1800, 29.6424



44.7220, 51.1800, 30.8142



40.4323, 51.1800, 37.8912

Triad

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



44.7220, 51.1800, 30.8142



41.9364, 51.1800, 84.6306



60.5837, 51.1800, 60.8522

Complementary

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



44.7220, 51.1800, 30.8142



29.5283, 27.1675, 54.7294

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.



57.9008, 51.1800, 78.4288



44.7220, 51.1800, 30.8142



46.9281, 51.1800, 93.8491

Square

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



44.7220, 51.1800, 30.8142



38.9156, 51.1800, 68.0946



52.7911, 51.1800, 91.3772



59.8743, 51.1800, 44.9545

Rectangle

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



44.7220, 51.1800, 30.8142



38.7907, 51.1800, 45.9517



52.7911, 51.1800, 91.3772



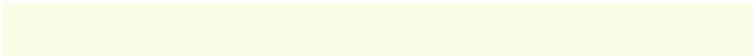
60.0412, 51.1800, 66.7972

Sweetspot

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



44.7233, 51.1823, 30.8153



88.7969, 96.0163, 88.5168



36.1941, 32.2489, 27.6103



19.3086, 20.9689, 18.7931



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.



44.7233, 51.1823, 30.8153



78.9548, 91.8392, 47.5468



38.2682, 47.8546, 30.5132



10.8250, 11.7127, 10.7521



24.6785, 31.5511, 4.7893



1.0919, 1.3765, 0.2081

Inverse Universe

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



29.5283, 27.1675, 54.7294



46.9367, 41.2260, 97.9534



35.0850, 30.0320, 54.9895



9.6071, 9.7886, 12.6679



6.5812, 2.6531, 33.7219



0.3124, 0.1291, 1.4583

Previews

White Background



This preview shows how the XYZ color 44.7220, 51.1800, 30.8142 looks on a white background.

Color Contrast Check

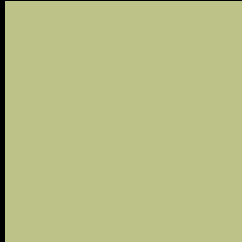
Large Text (above 18pt) WCAG AA × Fail

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 44.7220, 51.1800, 30.8142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

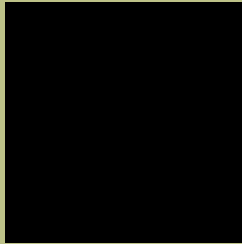
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.7220, 51.1800, 30.8142

Background



This preview shows how black text looks on a background with the XYZ color 44.7220, 51.1800, 30.8142.



This preview shows how white text looks on a background with the XYZ color 44.7220, 51.1800,

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

44.7220, 51.1800, 30.8142

Protanopia

47.4025, 50.9538, 29.8909

Deuteranopia





51.9245, 50.7591, 31.4869






Tritanopia

51.0102, 51.1583, 61.8296

Trichromacy

	Original Color 44.7220, 51.1800, 30.8142
	Protanomaly 46.5572, 51.1530, 30.3414
	Deuteranomaly 49.0103, 50.8017, 31.2673
	Tritanomaly 48.3815, 51.0389, 48.8965

Monochromacy

	Original Color 44.7220, 51.1800, 30.8142
	Achromatopsia 46.6715, 49.1021, 53.4722
	Achromatomaly 45.7590, 49.7871, 44.2439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.7220, 51.1800, 30.8142 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(189, 194, 136) looks like.

```
.text, #text, p{  
    color:rgb(189, 194, 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(189, 194, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 194, 136) }
```

Border

The CSS property to change the border of an element to XYZ 44.7220, 51.1800, 30.8142 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(189, 194, 136) }
```


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

```
.border{ border-color:rgb(189, 194, 136) }
```

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

Here you see how a box with a 4 pixel rgb(189, 194, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 194, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 194, 136);  
box-shadow:4px 4px 4px 4px rgb(189, 194,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 44.7220, 51.1800, 30.8142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 194, 136) }
```

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

```
.background{ background-color: rgb(189,  
194, 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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor