

Converting Colors

XYZ(44.9709, 51.3083, 30.8258)

Have a look what the booklet for
XYZ(44.9709, 51.3083, 30.8258)
contains.

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Color

**XYZ(44.9709, 51.3083,
30.8258)**

Conversions

Conversions Part 1

Format	Color
Hex	BEC288
RGB	190, 194, 136
RGB Percent	75%, 76%, 53%
CMY	0.2549, 0.2392, 0.4667
CMYK	0.02, 0.00, 0.30, 0.24
HSL	64°, 32%, 65%
HSV	64°, 30%, 76%
XYZ	44.9709, 51.3083, 30.8258
YIQ	186.1920, 16.2340, -18.8860

Conversions

Conversions Part 2

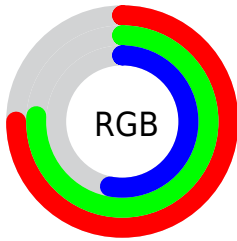
Format	Color
RYB	136, 194, 140
Decimal	12501640
CIELab	76.87, -10.67, 28.79
CIELCh	77, 30.701, 110.334
Yxy	51.3083, 0.3538, 0.4037
Android (android.graphics.Color)	4290691720 (0xFFBEC288)
YUV	186.1920, -24.7447, 3.3396
Hunter-Lab	71.6298, -13.2856, 24.6255

Details

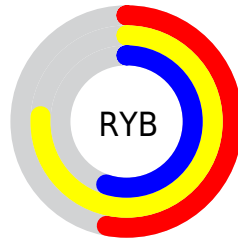
The XYZ color **44.9709, 51.3083, 30.8258** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **29.3589, 27.0801, 54.7215**, and the grayscale version is **46.9089, 49.3518, 53.7441**.

A 20% lighter version of the original color is **81.8376, 91.8631, 62.1332**, and **21.1711, 24.6463, 12.2357** is the 20% darker color. If you saturate the color by 10%, you get **43.3826, 50.6363, 24.1943**, and if you desaturate by 10%, it is **46.8145, 52.0864, 38.7741**.

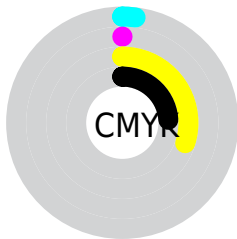
Distribution



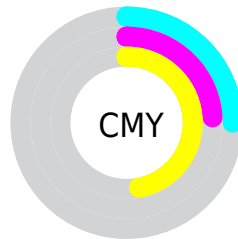
- Red (75%)
- Green (76%)
- Blue (53%)



- Red (53%)
- Yellow (76%)
- Blue (55%)



- Cyan (2%)
- Magenta (0%)
- Yellow (30%)
- Black (24%)




- Cyan (25%)
- Magenta (24%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.9709, 51.3083, 30.8258 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 44.9709, 51.3083, 30.8258 by changing the saturation by 10% instead.


 44.9709, 51.3083,
30.8258


 44.9709, 51.3083,
30.8258


357.4414,
391.7604, 320.0613


 31.6357, 36.4540,
20.2089


 81.9141, 92.1103,
62.0421

 21.2376, 24.7851,
12.3614


 106.2527,
118.8269, 83.4785

 13.4112, 15.9170,
6.8648


 134.9900,
150.2663, 109.3585

 7.7913, 9.4654,
3.3005

168.4910,
186.8130, 140.1007

 4.0124, 5.0460,
1.2501

207.1214,
228.8514, 176.1235

 1.7091, 2.2743,
0.0203

251.2463,

 0.4620, 0.7600,

276.7658, 217.8455

0.0000

301.2312,
330.9407, 265.6852

■ 0.0000, 0.0000,
0.0000

■ 44.9709, 51.3083,
30.8258

■ 44.9709, 51.3083,
30.8258

■ 43.3826, 50.6363,
24.1943

■ 46.8145, 52.0864,
38.7741

■ 42.0321, 50.0580,
18.8052

■ 48.9220, 52.9685,
48.1015

■ 40.9061, 49.5698,
14.5822


■ 51.3063, 53.9618,
58.8703


■ 39.9882, 49.1652,
11.4388


■ 53.9783, 55.0705,
71.1381


■ 39.2596, 48.8367,
9.2766


■ 56.9484, 56.2988,
84.9593


 38.6983, 48.5755,
7.9796


 60.2264, 57.6506,
100.3856

 38.2618, 48.3645,
7.3244

 60.9962, 57.9995,
102.5879

 38.2576, 48.3624,
7.3185

 61.3541, 58.1840,
102.6047

 61.7152, 58.3702,
102.6216

Harmonies

Analogous

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



50.6755, 51.3083, 29.7972



44.9709, 51.3083, 30.8258



40.6294, 51.3083, 37.7613

Triad

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



44.9709, 51.3083, 30.8258



41.9494, 51.3083, 84.4342



60.6860, 51.3083, 61.4376

Complementary

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



44.9709, 51.3083, 30.8258



29.3589, 27.0801, 54.7215

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.



57.9246, 51.3083, 78.9920



44.9709, 51.3083, 30.8258



46.9070, 51.3083, 93.9110

Square

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



44.9709, 51.3083, 30.8258



38.9839, 51.3083, 67.7933



52.7709, 51.3083, 91.7419



60.0635, 51.3083, 45.4268

Rectangle

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



44.9709, 51.3083, 30.8258



38.9454, 51.3083, 45.7338



52.7709, 51.3083, 91.7419



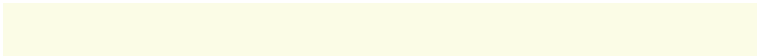
60.1149, 51.3083, 67.3941

Sweetspot

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



44.9722, 51.3106, 30.8269



88.9377, 96.0889, 88.5234



36.0524, 31.9654, 27.5630



19.3444, 20.9873, 18.7948



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.



44.9722, 51.3106, 30.8269



79.5026, 92.1216, 47.5724



38.4624, 47.9547, 30.5222



10.8426, 11.7218, 10.7529



25.1802, 31.8097, 4.8128



1.1089, 1.3852, 0.2089

Inverse Universe

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



29.3589, 27.0801, 54.7215



46.6015, 41.0532, 97.9377



34.8770, 29.9248, 54.9797



9.5913, 9.7805, 12.6671



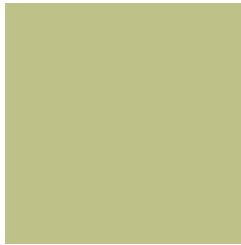
6.5414, 2.6327, 33.7200



0.3053, 0.1254, 1.4580

Previews

White Background



This preview shows how the XYZ color 44.9709, 51.3083, 30.8258 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 44.9709, 51.3083, 30.8258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

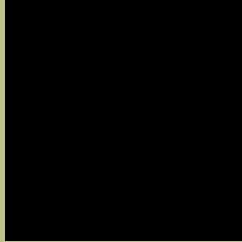
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

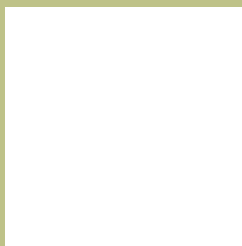
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.9709, 51.3083, 30.8258

Background



This preview shows how black text looks on a background with the XYZ color 44.9709, 51.3083, 30.8258.



This preview shows how white text looks on a background with the XYZ color 44.9709, 51.3083,

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

44.9709, 51.3083, 30.8258

Protanopia

47.4025, 50.9538, 29.8909

Deuteranopia

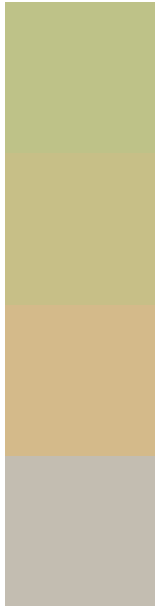
52.1286, 51.1673, 31.5549



Tritanopia

51.2729, 51.2937, 61.8419

Trichromacy



Original Color

44.9709, 51.3083, 30.8258

Protanomaly

46.5572, 51.1530, 30.3414

Deuteranomaly

49.2977, 50.9498, 31.2808

Tritanomaly

48.6391, 51.1716, 48.9085

Monochromacy



Original Color

44.9709, 51.3083, 30.8258

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 44.9709, 51.3083, 30.8258 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(190, 194, 136)` looks like.

```
.text, #text, p{  
    color:rgb(190, 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(190, 194, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 194, 136) }
```

Border

The CSS property to change the border of an element to XYZ 44.9709, 51.3083, 30.8258 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(190, 194, 136) }
```


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

```
.border{ border-color:rgb(190, 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(190, 194, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 194, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 194, 136);  
box-shadow:4px 4px 4px 4px rgb(190, 194,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 44.9709, 51.3083, 30.8258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 194, 136) }
```

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

```
.background{ background-color: rgb(190,  
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](#).

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