

Converting Colors

XYZ(45.4707, 51.3785, 44.6882)

Have a look what the booklet for
XYZ(45.4707, 51.3785, 44.6882)
contains.

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Color

**XYZ(45.4157, 51.2345,
44.5414)**

Conversions

Conversions Part 1

Format	Color
Hex	B5C2A8
RGB	181, 194, 168
RGB Percent	71%, 76%, 66%
CMY	0.2902, 0.2392, 0.3412
CMYK	0.07, 0.00, 0.13, 0.24
HSL	90°, 18%, 71%
HSV	90°, 13%, 76%
XYZ	45.4157, 51.2345, 44.5414
YIQ	187.1490, 0.5980, -10.8420

Conversions

Conversions Part 2

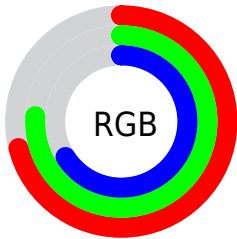
Format	Color
RYB	168, 194, 181
Decimal	11911848
CIELab	76.82, -9.20, 11.57
CIELCh	77, 14.778, 128.481
Yxy	51.2345, 0.3217, 0.3629
Android (android.graphics.Color)	4290101928 (0xFFB5C2A8)
YUV	187.1490, -9.4405, -5.3927
Hunter-Lab	71.5783, -12.0055, 13.2101

Details

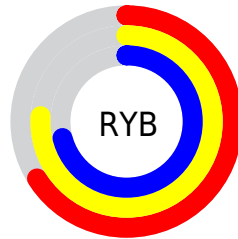
The XYZ color **45.4157, 51.2345, 44.5414** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.7984, 41.7255, 56.8398**, and the grayscale version is **47.3707, 49.8377, 54.2732**.

A 20% lighter version of the original color is **82.4299, 91.7035, 83.1681**, and **21.4326, 24.6063, 20.1429** is the 20% darker color. If you saturate the color by 10%, you get **41.5456, 49.4344, 35.6192**, and if you desaturate by 10%, it is **49.7168, 53.2286, 54.8935**.

Distribution



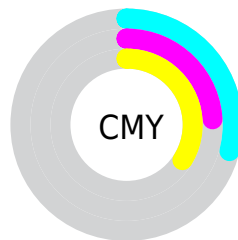
- Red (71%)
- Green (76%)
- Blue (66%)



- Red (66%)
- Yellow (76%)
- Blue (71%)



- Cyan (7%)
- Magenta (0%)
- Yellow (13%)
- Black (24%)



- Cyan (29%)
- Magenta (24%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4157, 51.2345, 44.5414 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 45.4157, 51.2345, 44.5414 by changing the saturation by 10% instead.

■ 45.4157, 51.2345,
44.5414

■ 45.4157, 51.2345,
44.5414

359.2100,
391.4742, 381.0189

■ 31.9877, 36.3953,
30.7560

■ 82.5771, 92.0013,
83.3429

■ 21.5076, 24.7396,
20.1562

107.0412,
118.6977, 109.1962

■ 13.6101, 15.8832,
12.3235

135.9146,
150.1152, 139.9092

■ 7.9299, 9.4415,
6.8392

169.5628,
186.6383, 175.9005

■ 4.1015, 5.0303,
3.2848

208.3511,
228.6514, 217.5885

■ 1.7597, 2.2650,
1.2418

252.6448,

■ 0.4932, 0.7551,

276.5388, 265.3919

0.0134

302.8093,
330.6849, 319.7292

0.0000, 0.0000,
0.0000

45.4157, 51.2345,
44.5414

45.4157, 51.2345,
44.5414

41.5456, 49.4344,
35.6192

49.7168, 53.2286,
54.8935

38.0871, 47.8152,
28.0607

54.4589, 55.4162,
66.7311

35.0256, 46.3723,
21.7996

59.6570, 57.8051,
80.1109

32.3437, 45.0985,
16.7625

65.3240, 60.4010,
95.0856

30.0227, 43.9858,
12.8688

69.8192, 62.5479,
103.0008

■ 28.0418, 43.0254,
10.0284

■ 73.0114, 64.1935,
103.1502

■ 26.3774, 42.2075,
8.1373

■ 76.3795, 65.9298,
103.3078

■ 25.0019, 41.5205,
7.0705

■ 78.5828, 67.0657,
103.4109

■ 24.2209, 41.1262,
6.6616

Harmonies

Analogous

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



47.9054, 51.2345, 41.8541



45.4157, 51.2345, 44.5414



43.8474, 51.2345, 50.3068

Triad

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



45.4157, 51.2345, 44.5414



46.7442, 51.2345, 71.4329



54.2313, 51.2345, 53.5374

Complementary

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



45.4157, 51.2345, 44.5414



42.7984, 41.7255, 56.8398

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.



53.8913, 51.2345, 61.6486



45.4157, 51.2345, 44.5414



49.4970, 51.2345, 72.5092

Square

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



45.4157, 51.2345, 44.5414



44.5937, 51.2345, 65.9651



52.1324, 51.2345, 68.7789



53.0443, 51.2345, 46.7113

Rectangle

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



45.4157, 51.2345, 44.5414



43.4994, 51.2345, 55.3769



52.1324, 51.2345, 68.7789



54.2927, 51.2345, 56.1964

Sweetspot

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



45.4171, 51.2367, 44.5425



89.5309, 96.1827, 98.1282



45.8419, 47.3462, 43.7692



19.4703, 21.0001, 21.1566



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.



45.4171, 51.2367, 44.5425



80.2029, 91.8579, 75.8289



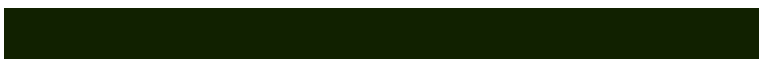
42.5097, 49.7379, 44.4064



10.4134, 11.5006, 10.7329



16.0183, 27.0866, 4.3840



0.7716, 1.2113, 0.1931

Inverse Universe

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



42.7984, 41.7255, 56.8398



74.5626, 71.3718, 102.3161



45.9904, 43.3711, 56.9892



9.9975, 9.9898, 12.6861



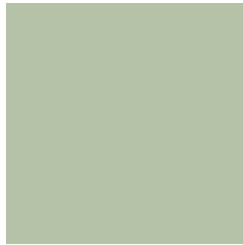
9.7392, 4.2812, 33.8697



0.5003, 0.2260, 1.4671

Previews

White Background



This preview shows how the XYZ color 45.4157, 51.2345, 44.5414 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 45.4157, 51.2345, 44.5414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

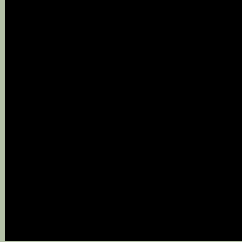
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

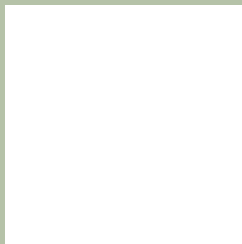
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.4157, 51.2345, 44.5414

Background



This preview shows how black text looks on a background with the XYZ color 45.4157, 51.2345, 44.5414.



This preview shows how white text looks on a background with the XYZ color 45.4157, 51.2345,

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

45.4157, 51.2345, 44.5414

Protanopia

48.2778, 51.1176, 42.9195

Deuteranopia

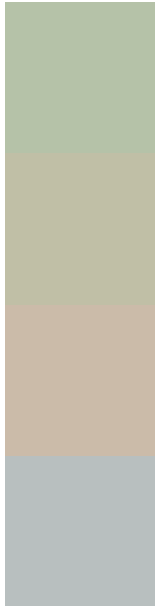
52.2135, 51.2163, 45.1640



Tritanopia

49.3464, 51.1939, 64.4073

Trichromacy



Original Color

45.4157, 51.2345, 44.5414

Protanomaly

47.2520, 51.2212, 43.4726

Deuteranomaly

49.5604, 51.1017, 44.7876

Tritanomaly

47.8019, 51.2135, 56.6560

Monochromacy



Original Color

45.4157, 51.2345, 44.5414

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.6593, 50.4365, 50.4560

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4157, 51.2345, 44.5414 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(181, 194, 168)` looks like.

```
.text, #text, p{  
    color:rgb(181, 194, 168)  
}
```

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(181, 194, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 194, 168) }
```

Border

The CSS property to change the border of an element to XYZ 45.4157, 51.2345, 44.5414 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(181, 194, 168) }
```


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

```
.border{ border-color:rgb(181, 194, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 194, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 194, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 194, 168);  
box-shadow:4px 4px 4px 4px rgb(181, 194,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4157, 51.2345, 44.5414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 194, 168) }
```

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

```
.background{ background-color: rgb(181,  
194, 168) }
```

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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