

Converting Colors

XYZ(51.4623, 63.9913, 44.1012)

Have a look what the booklet for
XYZ(51.4623, 63.9913, 44.1012)
contains.

XYZ(51.5234, 64.1810, 44.3229)	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(51.5234, 64.1810,
44.3229)**

Conversions

Conversions Part 1

Format	Color
Hex	B5DDA3
RGB	181, 221, 163
RGB Percent	71%, 87%, 64%
CMY	0.2902, 0.1333, 0.3608
CMYK	0.18, 0.00, 0.26, 0.13
HSL	101°, 46%, 75%
HSV	101°, 26%, 87%
XYZ	51.5234, 64.1810, 44.3229
YIQ	202.4280, -5.2220, -26.5180

Conversions

Conversions Part 2

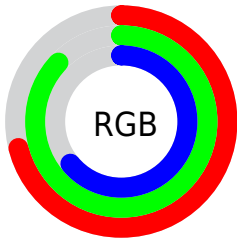
Format	Color
RYB	163, 221, 203
Decimal	11918755
CIELab	84.06, -23.61, 24.29
CIELCh	84, 33.874, 134.180
Yxy	64.1810, 0.3220, 0.4011
Android (android.graphics.Color)	4290108835 (0xFFB5DDA3)
YUV	202.4280, -19.4380, -18.7924
Hunter-Lab	80.1130, -25.3985, 23.2767

Details

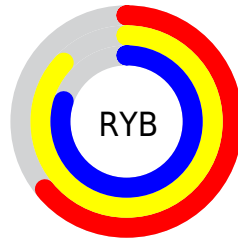
The XYZ color **51.5234, 64.1810, 44.3229** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **50.7795, 44.1131, 74.2483**, and the grayscale version is **56.5279, 59.4718, 64.7648**.

A 20% lighter version of the original color is **83.3399, 94.5865, 80.1942**, and **25.2579, 32.9322, 20.0642** is the 20% darker color. If you saturate the color by 10%, you get **46.3335, 61.7166, 34.6313**, and if you desaturate by 10%, it is **57.4538, 66.9910, 55.8581**.

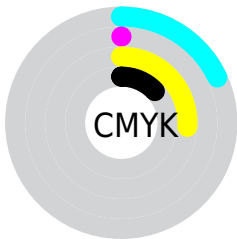
Distribution



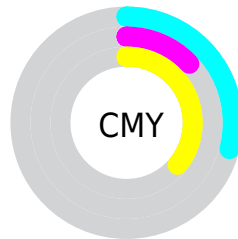
- Red (71%)
- Green (87%)
- Blue (64%)



- Red (64%)
- Yellow (87%)
- Blue (80%)



- Cyan (18%)
- Magenta (0%)
- Yellow (26%)
- Black (13%)





- Cyan (29%)
- Magenta (13%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.5234, 64.1810, 44.3229 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 51.5234, 64.1810, 44.3229 by changing the saturation by 10% instead.


 51.5234, 64.1810,
44.3229


 51.5234, 64.1810,
44.3229


382.9481,
439.8430, 380.1042

 36.8481, 46.7973,
30.5854


 91.6064, 110.8716,
83.0111

 25.2630, 32.8754,
20.0275


 117.7447,
140.9472, 108.7988

 16.4029, 22.0310,
12.2308


148.4348,
176.0223, 139.4403

 9.9023, 13.8797,
6.7766

184.0419,
216.4812, 175.3542

 5.3960, 8.0370,
3.2465

224.9314,
262.7083, 216.9590

 2.5186, 4.1187,
1.2218

271.4687,

 0.9046, 1.7402,

315.0881, 264.6732

0.0000

324.0192,
374.0048, 318.9154

0.0000, 0.4495,
0.0000

0.0000, 0.0000,
0.0000

51.5234, 64.1810,
44.3229

51.5234, 64.1810,
44.3229

46.3335, 61.7166,
34.6313

57.4538, 66.9910,
55.8581

41.8485, 59.5757,
26.6838

64.1484, 70.1512,
69.3212

38.0373, 57.7466,
20.3776

71.6359, 73.6763,
84.7964

34.8642, 56.2133,
15.5978

79.9420, 77.5781,
102.3616

■ 32.2898, 54.9584,
12.2143

■ 85.1477, 80.1955,
105.5992

■ 30.2697, 53.9622,
10.0756

■ 28.7507, 53.2016,
8.9919

■ 28.2823, 52.9654,
8.7327

Harmonies

Analogous

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



57.5484, 64.1810, 37.0876



51.5234, 64.1810, 44.3229



48.1918, 64.1810, 59.2501

Triad

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



51.5234, 64.1810, 44.3229



57.1670, 64.1810, 117.4403



76.0256, 64.1810, 60.2756

Complementary

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



51.5234, 64.1810, 44.3229



50.7795, 44.1131, 74.2483

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.



75.9024, 64.1810, 81.7157



51.5234, 64.1810, 44.3229



64.5913, 64.1810, 117.8720

Square

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



51.5234, 64.1810, 44.3229



51.2639, 64.1810, 102.6748



71.5774, 64.1810, 103.7555



71.9016, 64.1810, 44.9408

Rectangle

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



51.5234, 64.1810, 44.3229



47.7605, 64.1810, 72.9257



71.5774, 64.1810, 103.7555



76.4895, 64.1810, 66.9245

Sweetspot

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



51.5251, 64.1838, 44.3243



86.9495, 96.1836, 92.2772



57.7017, 60.5581, 43.2989



18.3018, 20.4415, 19.1253



0.0000, 0.0000, 0.0000



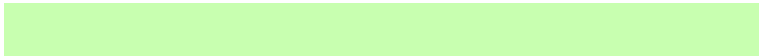
20.3446, 21.4041, 23.3091

Same Dimension

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



51.5251, 64.1838, 44.3243



67.5394, 86.9982, 54.2810



48.5669, 62.5440, 49.3710



13.2648, 14.8012, 13.8834



16.5314, 30.8198, 5.0775



1.1580, 2.0415, 0.3330

Inverse Universe

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



50.7795, 44.1131, 74.2483



66.3496, 55.1519, 101.7561



54.5970, 46.2397, 67.2630



13.2008, 13.0616, 16.4775



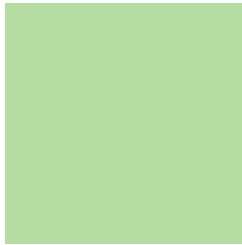
15.2708, 6.9966, 40.2840



1.0762, 0.4981, 2.6139

Previews

White Background



This preview shows how the XYZ color 51.5234, 64.1810, 44.3229 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 51.5234, 64.1810, 44.3229 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 51.5234, 64.1810, 44.3229

Background



This preview shows how black text looks on a background with the XYZ color 51.5234, 64.1810, 44.3229.



This preview shows how white text looks on a background with the XYZ color 51.5234, 64.1810,

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

51.5234, 64.1810, 44.3229

Protanopia

59.6267, 63.8825, 41.0862

Deuteranopia

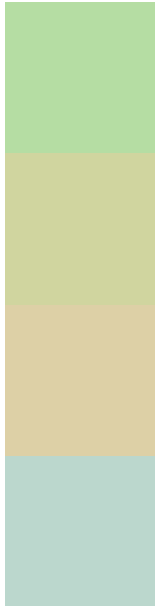
65.1699, 63.7964, 45.4383



Tritanopia

59.1722, 63.8205, 83.3286

Trichromacy



Original Color

51.5234, 64.1810, 44.3229

Protanomaly

56.0647, 63.5016, 42.1030

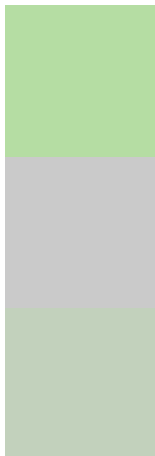
Deuteranomaly

59.2576, 63.2371, 45.1592

Tritanomaly

55.8134, 63.5735, 67.0868

Monochromacy



Original Color

51.5234, 64.1810, 44.3229

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

54.1257, 60.7011, 56.4407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5234, 64.1810, 44.3229 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, 221, 163)` looks like.

```
.text, #text, p{  
    color:rgb(181, 221, 163)  
}
```

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, 221, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 221, 163) }
```

Border

The CSS property to change the border of an element to XYZ 51.5234, 64.1810, 44.3229 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, 221, 163) }
```


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

```
.border{ border-color:rgb(181, 221, 163) }
```

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

Here you see how a box with a 4 pixel rgb(181, 221, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 221, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 221, 163);  
box-shadow:4px 4px 4px 4px rgb(181, 221,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5234, 64.1810, 44.3229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 221, 163) }
```

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

```
.background{ background-color: rgb(181,  
221, 163) }
```

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