

Converting Colors

XYZ(43.1707, 51.4780, 22.2097)

Have a look what the booklet for
XYZ(43.1707, 51.4780, 22.2097)
contains.

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Color

**XYZ(43.2201, 51.6014,
22.1501)**

Conversions

Conversions Part 1

Format	Color
Hex	BBC56D
RGB	187, 197, 109
RGB Percent	73%, 77%, 43%
CMY	0.2667, 0.2274, 0.5725
CMYK	0.05, 0.00, 0.45, 0.23
HSL	67°, 43%, 60%
HSV	67°, 45%, 77%
XYZ	43.2201, 51.6014, 22.1501
YIQ	183.9780, 22.2880, -29.4880

Conversions

Conversions Part 2

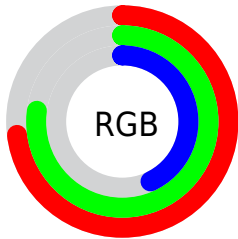
Format	Color
RYB	109, 197, 119
Decimal	12305773
CIELab	77.04, -16.55, 42.79
CIELCh	77, 45.881, 111.147
Yxy	51.6014, 0.3695, 0.4411
Android (android.graphics.Color)	4290495853 (0xFFBBC56D)
YUV	183.9780, -36.9642, 2.6503
Hunter-Lab	71.8341, -18.3124, 32.0018

Details

The XYZ color **43.2201, 51.6014, 22.1501** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **23.1563, 18.8917, 55.2523**, and the grayscale version is **45.7380, 48.1200, 52.4027**.

A 20% lighter version of the original color is **79.2716, 92.7254, 47.9021**, and **20.1019, 24.8559, 7.7412** is the 20% darker color. If you saturate the color by 10%, you get **41.7331, 50.9456, 17.1517**, and if you desaturate by 10%, it is **44.9559, 52.3613, 28.4028**.

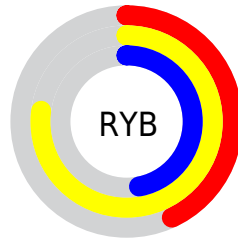
Distribution



Red (73%)

Green (77%)

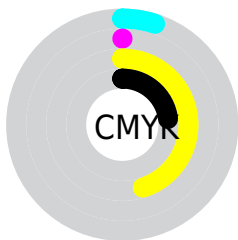
Blue (43%)



Red (43%)

Yellow (77%)

Blue (47%)

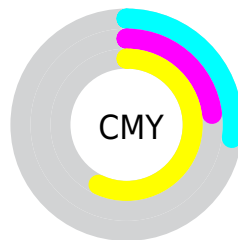


Cyan (5%)

Magenta (0%)

Yellow (45%)

Black (23%)



Cyan (27%)


Magenta (23%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.2201, 51.6014, 22.1501 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 43.2201, 51.6014, 22.1501 by changing the saturation by 10% instead.


 43.2201, 51.6014,
22.1501


 43.2201, 51.6014,
22.1501


350.4223,
392.8959, 276.3082


 30.2531, 36.6875,
13.7679


 79.2965, 92.5431,
47.8993


 20.1798, 24.9656,
7.8225

 103.1367,
119.3397, 66.1034

 12.6348, 16.0514,
3.8954


 131.3320,
150.8659, 88.4185

 7.2528, 9.5605,
1.5682

 164.2477,
187.5062, 115.2631

 3.6685, 5.1086,
0.2679

202.2492,
229.6450, 147.0559

 1.5163, 2.3111,
0.0000

245.7020,

 0.3369, 0.7796,

277.6666, 184.2153

0.0000

294.9712,
331.9554, 227.1599

■ 0.0000, 0.0000,
0.0000

■ 43.2201, 51.6014,
22.1501

■ 43.2201, 51.6014,
22.1501

■ 41.7331, 50.9456,
17.1517

■ 44.9559, 52.3613,
28.4028

■ 40.4749, 50.3805,
13.3198

■ 46.9513, 53.2243,
35.9834

■ 39.4288, 49.9012,
10.5602


■ 49.2211, 54.1980,
44.9636


■ 38.5738, 49.4994,
8.7630


■ 51.7777, 55.2874,
55.4090


■ 37.8846, 49.1648,
7.7947


■ 54.6328, 56.4973,
67.3812

 37.5587, 49.0034,
7.4791

 57.7976, 57.8320,
80.9382

 61.2824, 59.2957,
96.1348

 63.1715, 60.1222,
102.8830

 63.7935, 60.4429,
102.9121

Harmonies

Analogous

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



51.6822, 51.6014, 20.7443



43.2201, 51.6014, 22.1501



37.0699, 51.6014, 31.0441

Triad

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



43.2201, 51.6014, 22.1501



39.2254, 51.6014, 102.7108



67.6291, 51.6014, 63.9361

Complementary

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



43.2201, 51.6014, 22.1501



23.1563, 18.8917, 55.2523

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.



63.3570, 51.6014, 92.1786



43.2201, 51.6014, 22.1501



46.5002, 51.6014, 118.5493

Square

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



43.2201, 51.6014, 22.1501



34.9616, 51.6014, 75.4330



55.3723, 51.6014, 114.2077



66.4799, 51.6014, 40.5263

Rectangle

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



43.2201, 51.6014, 22.1501



34.7780, 51.6014, 42.0021



55.3723, 51.6014, 114.2077



66.7625, 51.6014, 73.2478

Sweetspot

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



43.2214, 51.6037, 22.1512



88.7917, 97.3381, 83.1102



32.2429, 25.8856, 17.7657



18.7971, 20.7455, 16.9511



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.



43.2214, 51.6037, 22.1512



74.7018, 91.2223, 30.5927



34.2650, 46.9866, 21.7320



11.4006, 12.3534, 11.3463



24.7475, 32.2531, 4.9211



1.2064, 1.5450, 0.2346

Inverse Universe

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



23.1563, 18.8917, 55.2523



34.1120, 24.9955, 97.6345



30.4080, 22.6301, 55.5917



10.1668, 10.3443, 13.3783



6.8887, 2.7855, 34.9189



0.3647, 0.1517, 1.6552

Previews

White Background



This preview shows how the XYZ color 43.2201, 51.6014, 22.1501 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 43.2201, 51.6014, 22.1501 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

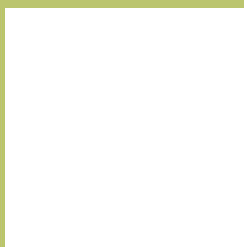
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.2201, 51.6014, 22.1501

Background



This preview shows how black text looks on a background with the XYZ color 43.2201, 51.6014, 22.1501.



This preview shows how white text looks on a background with the XYZ color 43.2201, 51.6014,

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

43.2201, 51.6014, 22.1501

Protanopia

47.3618, 51.4438, 21.3433

Deuteranopia

52.4595, 51.2289, 22.7460



Tritanopia

51.3902, 51.3406, 62.4595

Trichromacy



Original Color

43.2201, 51.6014, 22.1501

Protanomaly

45.8641, 51.6401, 21.7376

Deuteranomaly

48.7193, 51.1576, 22.6359

Tritanomaly

47.7295, 51.1234, 44.3980

Monochromacy



Original Color

43.2201, 51.6014, 22.1501

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

44.2910, 49.1438, 39.0496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.2201, 51.6014, 22.1501 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(187, 197, 109)` looks like.

```
.text, #text, p{  
    color:rgb(187, 197, 109)  
}
```

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(187, 197, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 197, 109) }
```

Border

The CSS property to change the border of an element to XYZ 43.2201, 51.6014, 22.1501 is called "border". The border property can be set on classes, ids or directly on the HTML element.

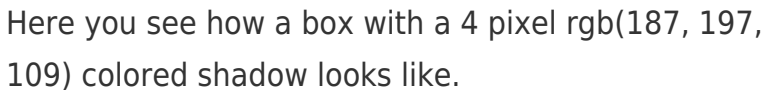
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 197, 109) }
```


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

```
.border{ border-color:rgb(187, 197, 109) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 197, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 197, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 197, 109); box-shadow:4px 4px 4px 4px rgb(187, 197, 109) }
```

Background

The CSS property to change the background color of an element to XYZ 43.2201, 51.6014, 22.1501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 197, 109) }
```

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

```
.background{ background-color: rgb(187,  
197, 109) }
```

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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