

Converting Colors

XYZ(44.9336, 49.8549, 36.5347)

Have a look what the booklet for
XYZ(44.9336, 49.8549, 36.5347)
contains.

XYZ(44.9856, 49.8801, 36.5350)	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(44.9856, 49.8801,
36.5350)**

Conversions

Conversions Part 1

Format	Color
Hex	BDBE97
RGB	189, 190, 151
RGB Percent	74%, 75%, 59%
CMY	0.2588, 0.2549, 0.4078
CMYK	0.01, 0.00, 0.21, 0.25
HSL	62°, 23%, 67%
HSV	62°, 21%, 75%
XYZ	44.9856, 49.8801, 36.5350
YIQ	185.2550, 11.9230, -12.3410

Conversions

Conversions Part 2

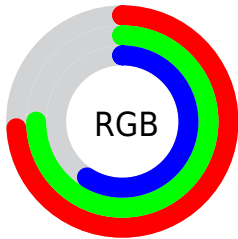
Format	Color
RYB	151, 190, 152
Decimal	12435095
CIELab	76.00, -6.88, 19.64
CIELCh	76, 20.804, 109.301
Yxy	49.8801, 0.3424, 0.3796
Android (android.graphics.Color)	4290625175 (0xFFBDBE97)
YUV	185.2550, -16.8877, 3.2844
Hunter-Lab	70.6258, -9.8985, 18.7672

Details

The XYZ color **44.9856, 49.8801, 36.5350** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.3118, 32.5277, 53.2408**, and the grayscale version is **46.3436, 48.7571, 53.0964**.

A 20% lighter version of the original color is **81.9812, 89.9121, 70.7915**, and **21.2376, 23.9623, 15.5624** is the 20% darker color. If you saturate the color by 10%, you get **43.4446, 49.2514, 29.0469**, and if you desaturate by 10%, it is **46.7784, 50.6130, 45.3351**.

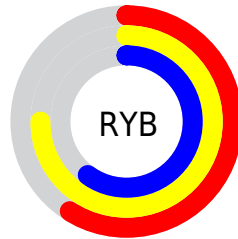
Distribution



Red (74%)

Green (75%)

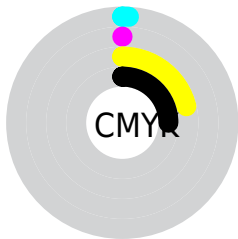
Blue (59%)



Red (59%)

Yellow (75%)

Blue (60%)

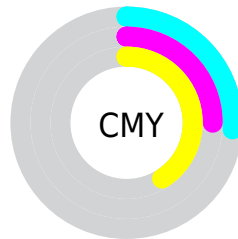


Cyan (1%)

Magenta (0%)

Yellow (21%)

Black (25%)



Cyan (26%)

Magenta (25%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.9856, 49.8801, 36.5350 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 44.9856, 49.8801, 36.5350 by changing the saturation by 10% instead.

■ 44.9856, 49.8801,
36.5350

■ 44.9856, 49.8801,
36.5350

357.4999,
386.1969, 346.4008

■ 31.6473, 35.3181,
24.5547

■ 81.9360, 89.9972,
71.0353

■ 21.2465, 23.9080,
15.5296

■ 106.2788,
116.3211, 94.3925

■ 13.4178, 15.2654,
9.0412

135.0205,
147.3345, 122.3790

■ 7.7958, 9.0059,
4.6709

168.5265,
183.4217, 155.4134

■ 4.0153, 4.7450,
2.0001

207.1621,
224.9672, 193.9142

■ 1.7108, 2.0984,
0.5554

251.2926,

■ 0.4630, 0.6638,

272.3553, 238.3000

0.0000

301.2834,
325.9704, 288.9894

■ 0.0000, 0.0000,
0.0000

■ 44.9856, 49.8801,
36.5350

■ 44.9856, 49.8801,
36.5350

■ 43.4446, 49.2514,
29.0469

■ 46.7784, 50.6130,
45.3351

■ 42.1395, 48.7154,
22.8050

■ 48.8301, 51.4477,
55.5024

■ 41.0588, 48.2692,
17.7426

■ 51.1525, 52.3908,
67.0930

■ 40.1885, 47.9072,
13.7854

■ 53.7554, 53.4462,
80.1586

■ 39.5127, 47.6231,
10.8509

■ 56.6483, 54.6176,
94.7487

■ 39.0136, 47.4097,
8.8449

■ 58.1867, 55.2473,
102.2048

■ 38.6701, 47.2586,
7.6559

■ 58.3108, 55.3112,
102.2106

■ 38.4488, 47.1571,
7.0758

■ 58.4353, 55.3754,
102.2164

■ 58.5602, 55.4398,
102.2222

Harmonies

Analogous

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



48.8084, 49.8801, 35.9017



44.9856, 49.8801, 36.5350



41.9742, 49.8801, 41.5332

Triad

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



44.9856, 49.8801, 36.5350



42.7082, 49.8801, 72.1778



55.1264, 49.8801, 58.3758

Complementary

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



44.9856, 49.8801, 36.5350



33.3118, 32.5277, 53.2408

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.



53.2949, 49.8801, 69.4725



44.9856, 49.8801, 36.5350



46.0377, 49.8801, 78.1331

Square

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



44.9856, 49.8801, 36.5350



40.7098, 49.8801, 61.6854



49.9190, 49.8801, 77.0806



54.8067, 49.8801, 47.5490

Rectangle

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



44.9856, 49.8801, 36.5350



40.7661, 49.8801, 47.1020



49.9190, 49.8801, 77.0806



54.7382, 49.8801, 62.2203

Sweetspot

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



44.9869, 49.8823, 36.5361



86.3522, 92.3593, 89.9994



37.9943, 35.5258, 34.1335



18.9088, 20.2596, 19.4990



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



44.9869, 49.8823, 36.5361



80.1000, 89.8092, 59.2963



40.5464, 47.5932, 36.3283



10.2973, 11.1077, 10.1779



25.5756, 31.3606, 4.7052



1.0095, 1.2324, 0.1847

Inverse Universe

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



33.3118, 32.5277, 53.2408



54.8182, 52.2279, 95.4709



37.1897, 34.5268, 53.4223



9.0386, 9.2368, 11.9787



6.2311, 2.4983, 32.5467



0.2519, 0.1019, 1.2752

Previews

White Background



This preview shows how the XYZ color 44.9856, 49.8801, 36.5350 looks on a white background.

Color Contrast Check

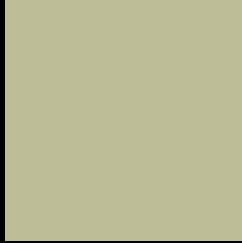
Large Text (above 18pt) WCAG AA × Fail

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 44.9856, 49.8801, 36.5350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

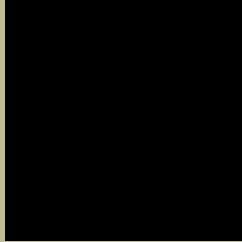
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.9856, 49.8801, 36.5350

Background



This preview shows how black text looks on a background with the XYZ color 44.9856, 49.8801, 36.5350.



This preview shows how white text looks on a background with the XYZ color 44.9856, 49.8801,

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

44.9856, 49.8801, 36.5350

Protanopia

46.8285, 49.8848, 36.0148

Deuteranopia

50.6863, 49.6941, 37.0575



Tritanopia

49.8392, 49.9603, 60.4426

Trichromacy



Original Color

44.9856, 49.8801, 36.5350

Protanomaly

45.9939, 49.7705, 36.0367

Deuteranomaly

48.5401, 49.8134, 36.7624

Tritanomaly

47.8917, 49.7915, 50.8026

Monochromacy



Original Color

44.9856, 49.8801, 36.5350

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.5628, 48.9969, 46.5911

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.9856, 49.8801, 36.5350 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, 190, 151)` looks like.

```
.text, #text, p{  
    color:rgb(189, 190, 151)  
}
```

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, 190, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 190, 151) }
```

Border

The CSS property to change the border of an element to XYZ 44.9856, 49.8801, 36.5350 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, 190, 151) }
```


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

```
.border{ border-color:rgb(189, 190, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 190, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 190, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 190, 151);  
box-shadow:4px 4px 4px 4px rgb(189, 190,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 44.9856, 49.8801, 36.5350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 190, 151) }
```

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

```
.background{ background-color: rgb(189,  
190, 151) }
```

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