

Converting Colors

XYZ(44.8245, 49.8157, 35.6866)

Have a look what the booklet for
XYZ(44.8245, 49.8157, 35.6866)
contains.

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Color

**XYZ(44.8245, 49.8157,
35.6866)**

Conversions

Conversions Part 1

Format	Color
Hex	BDBE95
RGB	189, 190, 149
RGB Percent	74%, 75%, 58%
CMY	0.2588, 0.2549, 0.4157
CMYK	0.01, 0.00, 0.22, 0.25
HSL	61°, 24%, 66%
HSV	61°, 22%, 75%
XYZ	44.8245, 49.8157, 35.6866
YIQ	185.0270, 12.5650, -12.9630

Conversions

Conversions Part 2

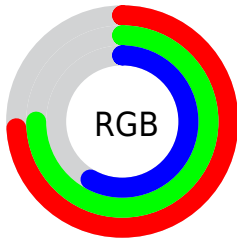
Format	Color
RYB	149, 190, 150
Decimal	12435093
CIELab	75.96, -7.17, 20.65
CIElCh	76, 21.861, 109.151
Yxy	49.8157, 0.3439, 0.3822
Android (android.graphics.Color)	4290625173 (0xFFBDBE95)
YUV	185.0270, -17.7613, 3.4843
Hunter-Lab	70.5802, -10.1526, 19.4281

Details

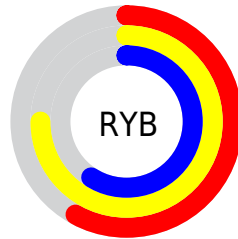
The XYZ color **44.8245, 49.8157, 35.6866** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **32.6214, 31.6979, 53.1171**, and the grayscale version is **46.2210, 48.6281, 52.9560**.

A 20% lighter version of the original color is **81.7413, 89.8162, 69.5279**, and **21.1419, 23.9241, 15.0588** is the 20% darker color. If you saturate the color by 10%, you get **43.3149, 49.2002, 28.3331**, and if you desaturate by 10%, it is **46.5846, 50.5348, 44.3457**.

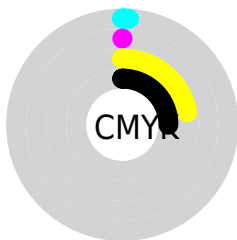
Distribution



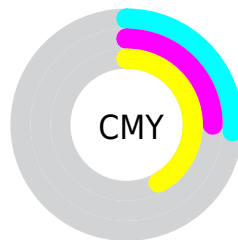
- Red (74%)
- Green (75%)
- Blue (58%)



- Red (58%)
- Yellow (75%)
- Blue (59%)



- Cyan (1%)
- Magenta (0%)
- Yellow (22%)
- Black (25%)



- Cyan (26%)
- Magenta (25%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.8245, 49.8157, 35.6866 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 44.8245, 49.8157, 35.6866 by changing the saturation by 10% instead.

■ 44.8245, 49.8157,
35.6866

■ 44.8245, 49.8157,
35.6866

356.8580,
385.9448, 342.5845

■ 31.5199, 35.2670,
23.9045

■ 81.6957, 89.9017,
69.7117

■ 21.1488, 23.8686,
15.0512

■ 105.9930,
116.2079, 92.7917

■ 13.3459, 15.2362,
8.7083

134.6852,
147.2019, 120.4747

■ 7.7458, 8.9853,
4.4572

168.1377,
183.2683, 153.1794

■ 3.9832, 4.7316,
1.8794

206.7159,
224.7913, 191.3241

■ 1.6926, 2.0907,
0.4796

250.7851,

■ 0.4516, 0.6594,

272.1555, 235.3275

0.0000

300.7107,
325.7452, 285.6082

■ 0.0000, 0.0000,
0.0000

■ 44.8245, 49.8157,
35.6866

■ 44.8245, 49.8157,
35.6866

■ 43.3149, 49.2002,
28.3331

■ 46.5846, 50.5348,
44.3457

■ 42.0398, 48.6769,
22.2189

■ 48.6026, 51.3554,
54.3661

■ 40.9877, 48.2429,
17.2767

■ 50.8900, 52.2838,
65.8041

■ 40.1443, 47.8923,
13.4316

■ 53.4570, 53.3241,
78.7118

■ 39.4937, 47.6189,
10.5997

■ 56.3128, 54.4800,
93.1389

■ 39.0178, 47.4154,
8.6856

■ 58.1507, 55.2287,
102.2031

■ 38.6948, 47.2732,
7.5753

■ 58.2686, 55.2895,
102.2086

■ 38.5063, 47.1868,
7.0785

■ 58.3869, 55.3505,
102.2141

■ 58.5056, 55.4117,
102.2197

Harmonies

Analogous

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



48.8383, 49.8157, 35.0545



44.8245, 49.8157, 35.6866



41.6660, 49.8157, 40.8493

Triad

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



44.8245, 49.8157, 35.6866



42.4068, 49.8157, 73.0444



55.4669, 49.8157, 58.5746

Complementary

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



44.8245, 49.8157, 35.6866



32.6214, 31.6979, 53.1171

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.



53.5251, 49.8157, 70.2794



44.8245, 49.8157, 35.6866



45.8890, 49.8157, 79.3953

Square

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



44.8245, 49.8157, 35.6866



40.3265, 49.8157, 61.9392



49.9652, 49.8157, 78.3165



55.1413, 49.8157, 47.2083

Rectangle

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



44.8245, 49.8157, 35.6866



40.3979, 49.8157, 46.6408



49.9652, 49.8157, 78.3165



55.0534, 49.8157, 62.6247

Sweetspot

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



44.8258, 49.8179, 35.6877



86.3588, 92.3626, 89.9997



37.5175, 34.8300, 33.1799



18.9104, 20.2604, 19.4991



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.



44.8258, 49.8179, 35.6877



79.8460, 89.7083, 57.9281



40.1631, 47.4142, 35.4694



10.2985, 11.1083, 10.1780



25.6133, 31.3800, 4.7070



1.0107, 1.2330, 0.1847

Inverse Universe

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



32.6214, 31.6979, 53.1171



53.6989, 50.8866, 95.2710



36.6605, 33.7802, 53.3061



9.0375, 9.2362, 11.9786



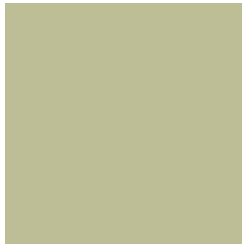
6.2287, 2.4971, 32.5466



0.2515, 0.1017, 1.2752

Previews

White Background



This preview shows how the XYZ color 44.8245, 49.8157, 35.6866 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 44.8245, 49.8157, 35.6866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

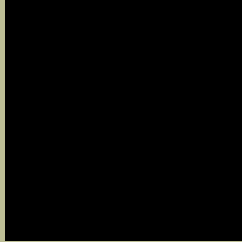
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

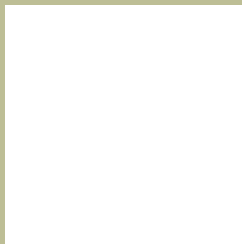
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.8245, 49.8157, 35.6866

Background



This preview shows how black text looks on a background with the XYZ color 44.8245, 49.8157, 35.6866.



This preview shows how white text looks on a background with the XYZ color 44.8245, 49.8157,

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

44.8245, 49.8157, 35.6866

Protanopia

46.6688, 49.8209, 35.1737

Deuteranopia

50.8206, 49.7823, 36.2086



Tritanopia

49.6322, 49.5463, 60.3736

Trichromacy



Original Color

44.8245, 49.8157, 35.6866

Protanomaly

45.8342, 49.7067, 35.1956

Deuteranomaly

48.3776, 49.7484, 35.9068

Tritanomaly

47.7894, 49.7506, 50.2641

Monochromacy



Original Color

44.8245, 49.8157, 35.6866

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.4664, 48.9583, 46.0833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.8245, 49.8157, 35.6866 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, 149)` looks like.

```
.text, #text, p{  
    color:rgb(189, 190, 149)  
}
```

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, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 190, 149) }
```

Border

The CSS property to change the border of an element to XYZ 44.8245, 49.8157, 35.6866 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, 149) }
```


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

```
.border{ border-color:rgb(189, 190, 149) }
```

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, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 190, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 190, 149);  
box-shadow:4px 4px 4px 4px rgb(189, 190,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 44.8245, 49.8157, 35.6866 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, 149) }
```

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

```
.background{ background-color: rgb(189,  
190, 149) }
```

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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