

Converting Colors

XYZ(42.8305, 45.9778, 36.0745)

Have a look what the booklet for
XYZ(42.8305, 45.9778, 36.0745)
contains.

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Color

**XYZ(42.8488, 45.9735,
35.8935)**

Conversions

Conversions Part 1

Format	Color
Hex	BCB597
RGB	188, 181, 151
RGB Percent	74%, 71%, 59%
CMY	0.2627, 0.2902, 0.4078
CMYK	0.00, 0.04, 0.20, 0.26
HSL	49°, 22%, 66%
HSV	49°, 20%, 74%
XYZ	42.8488, 45.9735, 35.8935
YIQ	179.6730, 13.8020, -7.8460

Conversions

Conversions Part 2

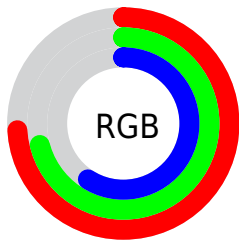
Format	Color
R_{YB}	160, 188, 151
Decimal	12367255
CIE _{Lab}	73.53, -2.51, 16.20
CIE _{LCh}	74, 16.393, 98.813
Yxy	45.9735, 0.3436, 0.3686
Android (android.graphics.Color)	4290557335 (0xFFBCB597)
YUV	179.6730, -14.1358, 7.3028
Hunter-Lab	67.8038, -5.8529, 16.0761

Details

The XYZ color **42.8488, 45.9735, 35.8935** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **34.0662, 34.6629, 52.4723**, and the grayscale version is **43.2763, 45.5300, 49.5822**.

A 20% lighter version of the original color is **78.6119, 84.2092, 69.8683**, and **19.8509, 21.4268, 15.1461** is the 20% darker color. If you saturate the color by 10%, you get **40.7290, 43.9853, 28.2455**, and if you desaturate by 10%, it is **45.2330, 48.1001, 44.8320**.

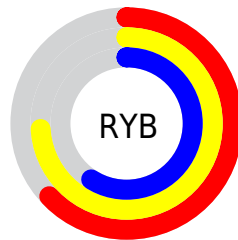
Distribution



Red (74%)

Green (71%)

Blue (59%)



Red (63%)

Yellow (74%)

Blue (59%)

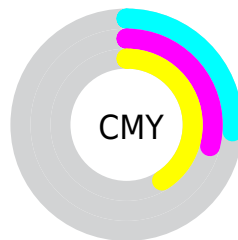


Cyan (0%)

Magenta (4%)

Yellow (20%)

Black (26%)



Cyan (26%)

Magenta (29%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8488, 45.9735, 35.8935 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 42.8488, 45.9735, 35.8935 by changing the saturation by 10% instead.

■ 42.8488, 45.9735,
35.8935

■ 42.8488, 45.9735,
35.8935

348.9217,
370.7021, 343.5181

■ 29.9605, 32.2249,
24.0629

■ 78.7398, 84.1793,
70.0348

■ 19.9565, 21.5333,
15.1677

■ 102.4732,
109.4054, 93.1827

■ 12.4715, 13.5144,
8.7892

130.5523,
139.2260, 120.9400

■ 7.1401, 7.7837,
4.5090

163.3426,
174.0257, 153.7254

■ 3.5970, 3.9569,
1.9085

201.2093,
214.1887, 191.9574

■ 1.4768, 1.6495,
0.4982

244.5178,

■ 0.3100, 0.3906,

260.0995, 236.0545

0.0000

293.6335,
312.1425, 286.4352

■ 0.0000, 0.0000,
0.0000

■ 42.8488, 45.9735,
35.8935

■ 42.8488, 45.9735,
35.8935

■ 40.7290, 43.9853,
28.2455

■ 45.2330, 48.1001,
44.8320

■ 38.8583, 42.1246,
21.8243

■ 47.8888, 50.3634,
55.1147

■ 37.2254, 40.3879,
16.5654

■ 50.8277, 52.7700,
66.7959

■ 35.8164, 38.7698,
12.3969

■ 54.0594, 55.3238,
79.9259

■ 34.6161, 37.2637,
9.2392

■ 57.5931, 58.0287,
94.5526

■ 33.6072, 35.8626,
7.0017

■ 59.9877, 60.3086,
103.0868

■ 32.7692, 34.5580,
5.5774

■ 60.8332, 61.9996,
103.3686

■ 32.0631, 33.3341,
4.7615

■ 61.6980, 63.7292,
103.6569

■ 32.0413, 33.2958,
4.7380

■ 62.5824, 65.4979,
103.9517

Harmonies

Analogous

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



45.7401, 45.9735, 36.6110



42.8488, 45.9735, 35.8935



40.2982, 45.9735, 38.6305

Triad

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



42.8488, 45.9735, 35.8935



39.4994, 45.9735, 60.7335



49.0970, 45.9735, 56.0453

Complementary

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



42.8488, 45.9735, 35.8935



34.0662, 34.6629, 52.4723

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.



47.2805, 45.9735, 63.5408



42.8488, 45.9735, 35.8935



41.7146, 45.9735, 66.4486

Square

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



42.8488, 45.9735, 35.8935



38.4213, 45.9735, 52.5407



44.5552, 45.9735, 67.5290



49.4336, 45.9735, 47.6534

Rectangle

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



42.8488, 45.9735, 35.8935



39.1036, 45.9735, 42.2447



44.5552, 45.9735, 67.5290



48.6355, 45.9735, 58.7783

Sweetspot

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



42.8500, 45.9755, 35.8945



83.6441, 88.6139, 87.6411



38.0121, 35.3075, 37.3407



17.9212, 18.9993, 18.5922



90.7827, 95.5105, 104.0109



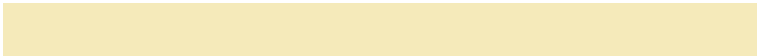
18.6292, 19.5994, 21.3438

Same Dimension

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



42.8500, 45.9755, 35.8945



75.7896, 81.5939, 58.2358



41.6782, 47.5365, 36.2575



10.1648, 10.8055, 10.1266



21.8665, 22.7718, 3.2429



0.8968, 0.9725, 0.1404

Inverse Universe

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



34.0662, 34.6629, 52.4723



56.7141, 57.0290, 94.2448



35.0648, 33.4565, 52.1868



9.1586, 9.5095, 12.0250



6.6417, 3.3952, 32.6982



0.3049, 0.2224, 1.2957

Previews

White Background



This preview shows how the XYZ color 42.8488, 45.9735, 35.8935 looks on a white background.

Color Contrast Check

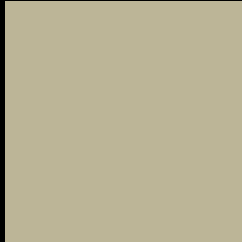
Large Text (above 18pt) WCAG AA × Fail

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 42.8488, 45.9735, 35.8935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

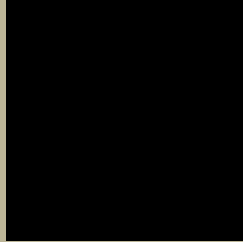
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.8488, 45.9735, 35.8935

Background



This preview shows how black text looks on a background with the XYZ color 42.8488, 45.9735, 35.8935.



This preview shows how white text looks on a background with the XYZ color 42.8488, 45.9735,

35.8935.

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

42.8488, 45.9735, 35.8935

Protanopia

43.3930, 45.9532, 35.8610

Deuteranopia

46.8160, 45.9490, 36.1073



Tritanopia

46.7030, 46.0622, 54.5735

Trichromacy



Original Color

42.8488, 45.9735, 35.8935

Protanomaly

43.1424, 45.8240, 35.8492

Deuteranomaly

45.4770, 46.1288, 36.2126

Tritanomaly

45.1441, 46.0123, 47.0594

Monochromacy



Original Color

42.8488, 45.9735, 35.8935

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

43.0111, 45.5744, 44.0659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8488, 45.9735, 35.8935 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(188, 181, 151)` looks like.

```
.text, #text, p{  
    color:rgb(188, 181, 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(188, 181, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 181, 151) }
```

Border

The CSS property to change the border of an element to XYZ 42.8488, 45.9735, 35.8935 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(188, 181, 151) }
```


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

```
.border{ border-color:rgb(188, 181, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 181, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 181, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 181, 151);  
box-shadow:4px 4px 4px 4px rgb(188, 181,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8488, 45.9735, 35.8935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 181, 151) }
```

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

```
.background{ background-color: rgb(188,  
181, 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](#).

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