

Converting Colors

XYZ(42.4553, 45.2020, 34.5050)

Have a look what the booklet for
XYZ(42.4553, 45.2020, 34.5050)
contains.

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Color

**XYZ(42.4517, 45.1971,
34.5035)**

Conversions

Conversions Part 1

Format	Color
Hex	BDB394
RGB	189, 179, 148
RGB Percent	74%, 70%, 58%
CMY	0.2588, 0.2980, 0.4196
CMYK	0.00, 0.05, 0.22, 0.26
HSL	45°, 24%, 66%
HSV	45°, 22%, 74%
XYZ	42.4517, 45.1971, 34.5035
YIQ	178.4560, 15.9110, -7.5210

Conversions

Conversions Part 2

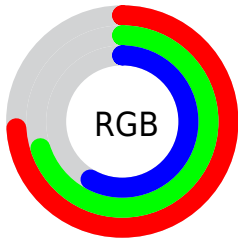
Format	Color
RYB	161, 189, 148
Decimal	12432276
CIELab	73.02, -1.51, 17.13
CIELCh	73, 17.199, 95.053
Yxy	45.1971, 0.3475, 0.3700
Android (android.graphics.Color)	4290622356 (0xFFBDB394)
YUV	178.4560, -15.0148, 9.2471
Hunter-Lab	67.2288, -4.9363, 16.6310

Details

The XYZ color **42.4517, 45.1971, 34.5035** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.6249, 34.4232, 53.0166**, and the grayscale version is **42.6307, 44.8509, 48.8426**.

A 20% lighter version of the original color is **78.3750, 83.2738, 67.8198**, and **19.6102, 20.9357, 14.3167** is the 20% darker color. If you saturate the color by 10%, you get **40.1684, 42.8321, 26.9546**, and if you desaturate by 10%, it is **45.0125, 47.7256, 43.3511**.

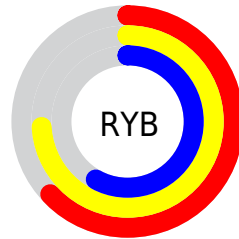
Distribution



Red (74%)

Green (70%)

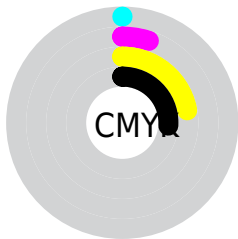
Blue (58%)



Red (63%)

Yellow (74%)

Blue (58%)

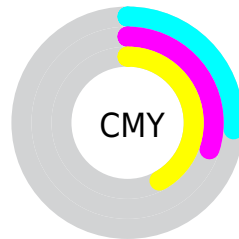


Cyan (0%)

Magenta (5%)

Yellow (22%)

Black (26%)



Cyan (26%)


Magenta (30%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4517, 45.1971, 34.5035 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 42.4517, 45.1971, 34.5035 by changing the saturation by 10% instead.

 42.4517, 45.1971,
34.5035


 42.4517, 45.1971,
34.5035


347.3119,
367.5712, 337.2088

 29.6478, 31.6127,
23.0002


 78.1437, 83.0161,
67.8587

 19.7182, 21.0658,
14.3883

 101.7625,
108.0195, 90.5477

 12.2974, 13.1721,
8.2494


129.7169,
137.5980, 117.8023

 7.0202, 7.5472,
4.1649

162.3724,
172.1360, 150.0411

 3.5212, 3.8066,
1.7162

200.0943,
212.0180, 187.6826

 1.4350, 1.5660,
0.3718

243.2480,

 0.2809, 0.3345,

257.6282, 231.1453

0.0000

292.1987,
309.3512, 280.8479

■ 0.0000, 0.0000,
0.0000

■ 42.4517, 45.1971,
34.5035

■ 42.4517, 45.1971,
34.5035

■ 40.1684, 42.8321,
26.9546

■ 45.0125, 47.7256,
43.3511

■ 38.1470, 40.6193,
20.6392

■ 47.8587, 50.4165,
53.5529

■ 36.3755, 38.5548,
15.4905

■ 51.0021, 53.2766,
65.1644

■ 34.8395, 36.6325,
11.4343

■ 54.4527, 56.3104,
78.2373

■ 33.5231, 34.8455,
8.3879

■ 58.2201, 59.5221,
92.8206

■ 32.4079, 33.1859,
6.2567

■ 61.2653, 62.4966,
103.4418

■ 31.4723, 31.6446,
4.9278

■ 62.3956, 64.7573,
103.8185

■ 30.7969, 30.4398,
4.2523

■ 63.5588, 67.0837,
104.2063

■ 64.7551, 69.4762,
104.6050

Harmonies

Analogous

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



45.4413, 45.1971, 35.6842



42.4517, 45.1971, 34.5035



39.7255, 45.1971, 36.8732

Triad

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



42.4517, 45.1971, 34.5035



38.4010, 45.1971, 59.3383



48.4119, 45.1971, 56.5248

Complementary

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



42.4517, 45.1971, 34.5035



33.6249, 34.4232, 53.0166

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.



46.3623, 45.1971, 64.0354



42.4517, 45.1971, 34.5035



40.5678, 45.1971, 65.7879

Square

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



42.4517, 45.1971, 34.5035



37.4574, 45.1971, 50.6835



43.4693, 45.1971, 67.5994



48.9734, 45.1971, 47.7691

Rectangle

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



42.4517, 45.1971, 34.5035



38.3953, 45.1971, 40.3307



43.4693, 45.1971, 67.5994



47.8696, 45.1971, 59.3098

Sweetspot

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



42.4529, 45.1991, 34.5045



82.8869, 87.6464, 85.7033



37.7698, 34.4765, 37.1253



17.7594, 18.7862, 18.1974



90.7827, 95.5105, 104.0109



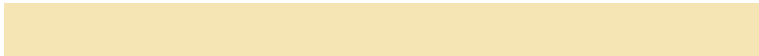
18.6292, 19.5994, 21.3438

Same Dimension

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



42.4529, 45.1991, 34.5045



74.0399, 78.9137, 55.1274



42.0761, 48.0877, 35.0819



10.1198, 10.7157, 10.1116



20.7831, 20.6050, 2.8818



0.8623, 0.9035, 0.1289

Inverse Universe

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



33.6249, 34.4232, 53.0166



55.4341, 56.2054, 94.1532



33.9256, 32.1491, 52.5618



9.2004, 9.5931, 12.0389



6.8909, 3.8935, 32.7812



0.3231, 0.2588, 1.3018

Previews

White Background



This preview shows how the XYZ color 42.4517, 45.1971, 34.5035 looks on a white background.

Color Contrast Check

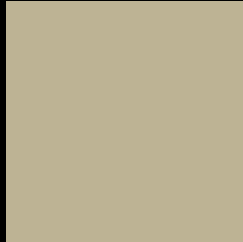
Large Text (above 18pt) WCAG AA × Fail

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 42.4517, 45.1971, 34.5035 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 42.4517, 45.1971, 34.5035

Background



This preview shows how black text looks on a background with the XYZ color 42.4517, 45.1971, 34.5035.



This preview shows how white text looks on a background with the XYZ color 42.4517, 45.1971,

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

42.4517, 45.1971, 34.5035

Protanopia

42.4517, 45.1971, 34.5035

Deuteranopia

45.9095, 44.9404, 34.6884



Tritanopia

46.3538, 45.3293, 53.3200

Trichromacy



Original Color

42.4517, 45.1971, 34.5035

Protanomaly

42.4517, 45.1971, 34.5035

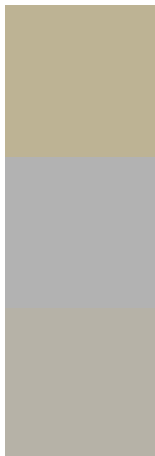
Deuteranomaly

44.5742, 45.1092, 34.7914

Tritanomaly

44.8064, 45.2743, 45.9124

Monochromacy



Original Color

42.4517, 45.1971, 34.5035

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

42.1868, 44.5759, 42.9397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4517, 45.1971, 34.5035 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, 179, 148)` looks like.

```
.text, #text, p{  
    color:rgb(189, 179, 148)  
}
```

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, 179, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 179, 148) }
```

Border

The CSS property to change the border of an element to XYZ 42.4517, 45.1971, 34.5035 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, 179, 148) }
```


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

```
.border{ border-color:rgb(189, 179, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 179, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 179, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 179, 148);  
box-shadow:4px 4px 4px 4px rgb(189, 179,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4517, 45.1971, 34.5035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 179, 148) }
```

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

```
.background{ background-color: rgb(189,  
179, 148) }
```

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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