

# Converting Colors

XYZ(42.0221, 41.3008, 42.1859)

Have a look what the booklet for  
XYZ(42.0221, 41.3008, 42.1859)  
contains.

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# Color

**XYZ(42.0290, 41.3746,  
42.3301)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEA7A7
RGB	190, 167, 167
RGB Percent	75%, 65%, 65%
CMY	0.2549, 0.3451, 0.3451
CMYK	0.00, 0.12, 0.12, 0.25
HSL	0°, 15%, 70%
HSV	0°, 12%, 75%
XYZ	42.0290, 41.3746, 42.3301
YIQ	173.8770, 13.7080, 4.8760

# Conversions

## Conversions Part 2

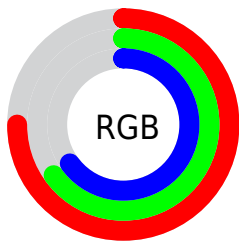
<b>Format</b>	<b>Color</b>
<b>RYB</b>	190, 167, 167
Decimal	12494759
CIELab	70.44, 8.35, 3.06
CIELCh	70, 8.893, 20.136
Yxy	41.3746, 0.3343, 0.3291
Android (android.graphics.Color)	4290684839 (0xFFBEA7A7)
YUV	173.8770, -3.3904, 14.1399
Hunter-Lab	64.3231, 4.0673, 6.0083

# Details

The XYZ color **42.0290, 41.3746, 42.3301** is a light color, and the websafe version is hex **999999**. A complement of this color would be **43.6439, 48.7592, 55.8269**, and the grayscale version is **40.1818, 42.2744, 46.0369**.

A 20% lighter version of the original color is **77.3121, 77.1093, 79.9160**, and **19.3786, 18.7335, 18.8142** is the 20% darker color. If you saturate the color by 10%, you get **37.1719, 34.2675, 32.6725**, and if you desaturate by 10%, it is **47.6578, 49.6111, 53.5191**.

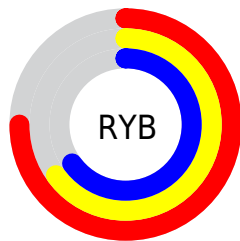
# Distribution



Red (75%)

Green (65%)

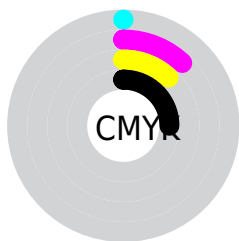
Blue (65%)



Red (75%)

Yellow (65%)

Blue (65%)

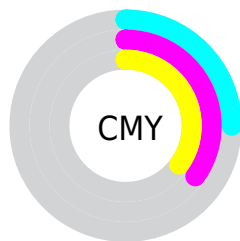


Cyan (0%)

Magenta (12%)

Yellow (12%)

Black (25%)



Cyan (25%)

Magenta (35%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0290, 41.3746, 42.3301 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 42.0290, 41.3746, 42.3301 by changing the saturation by 10% instead.





 42.0290, 41.3746,  
42.3301


 42.0290, 41.3746,  
42.3301


345.5927,  
351.8838, 371.6895

 29.3152, 28.6119,  
29.0324


 77.5084, 77.2522,  
79.9745

 19.4649, 18.7874,  
18.8595


 101.0047,  
101.1359, 105.1581

 12.1127, 11.5168,  
11.3930


128.8259,  
129.4955, 135.1409

 6.8932, 6.4156,  
6.2144

161.3374,  
162.7152, 170.3412

 3.4411, 3.0994,  
2.9050

198.9044,  
201.1795, 211.1777

 1.3911, 1.1838,  
1.0463

241.8924,

 0.2499, 0.0484,

245.2727, 258.0689

0.0000

290.6667,  
295.3794, 311.4333

■ 0.0000, 0.0000,  
0.0000

■ 42.0290, 41.3746,  
42.3301

■ 42.0290, 41.3746,  
42.3301

■ 37.1719, 34.2675,  
32.6725

■ 47.6578, 49.6111,  
53.5191

■ 33.0495, 28.2354,  
24.4773

■ 54.0861, 59.0173,  
66.2993

■ 29.6273, 23.2277,  
17.6740

■ 61.3448, 69.6385,  
80.7304

■ 26.8662, 19.1874,  
12.1852

■ 69.4620, 81.5158,  
96.8683

■ 24.7237, 16.0523,  
7.9263

■ 75.0454, 89.6873,  
107.9638

■ 23.1521, 13.7524,  
4.8025

■ 22.0969, 12.2082,  
2.7052

■ 21.4929, 11.3242,  
1.5049

■ 21.2358, 10.9479,  
0.9939

# Harmonies

## Analogous

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



42.1656, 41.3746, 46.4457



42.0290, 41.3746, 42.3301



41.1581, 41.3746, 39.1386

# Triad

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



42.0290, 41.3746, 42.3301



37.2031, 41.3746, 40.0756



38.8449, 41.3746, 53.4722

# Complementary

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



42.0290, 41.3746, 42.3301



43.6439, 48.7592, 55.8269

# 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.



37.5478, 41.3746, 51.5284



42.0290, 41.3746, 42.3301



36.6156, 41.3746, 43.6824

# Square

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



42.0290, 41.3746, 42.3301



38.3638, 41.3746, 37.8941



36.7401, 41.3746, 47.8838



40.3028, 41.3746, 53.0543



# Rectangle

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



42.0290, 41.3746, 42.3301



40.2900, 41.3746, 37.8824



36.7401, 41.3746, 47.8838



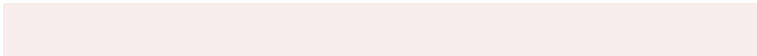
38.3762, 41.3746, 53.0689

# Sweetspot

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



42.0302, 41.3764, 42.3310



84.2509, 86.8126, 92.7865



44.3487, 42.3029, 54.5436



18.3237, 18.8042, 20.0230



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.



42.0302, 41.3764, 42.3310



73.2542, 70.7216, 70.9243



44.2309, 45.7779, 43.0646



9.5303, 9.5366, 9.9151



14.1205, 7.2798, 0.6609



0.5532, 0.2852, 0.0259

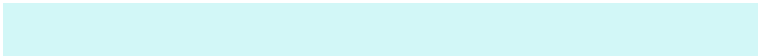


# Inverse Universe

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



43.6439, 48.7592, 55.8269



76.8576, 87.2074, 101.0610



41.2512, 43.9739, 55.0294



9.8085, 10.8093, 12.2416



18.4201, 26.9518, 36.6243



0.7216, 1.0558, 1.4346



# Previews

## White Background



This preview shows how the XYZ color 42.0290, 41.3746, 42.3301 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

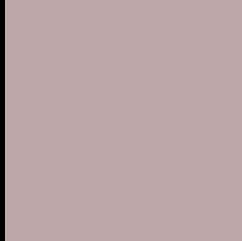
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.0290, 41.3746, 42.3301 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

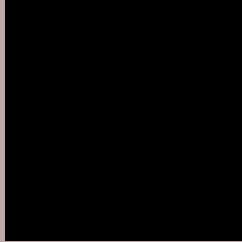
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 42.0290, 41.3746, 42.3301

## Background



This preview shows how black text looks on a background with the XYZ color 42.0290, 41.3746, 42.3301.



This preview shows how white text looks on a background with the XYZ color 42.0290, 41.3746,



# 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

42.0290, 41.3746, 42.3301

### Protanopia

39.9127, 41.6374, 43.9634

### Deuteranopia

42.2796, 41.5038, 42.3419



## Tritanopia

42.9769, 41.2010, 47.8069

# Trichromacy



## Original Color

42.0290, 41.3746, 42.3301

## Protanomaly

40.5922, 41.4378, 43.3950

## Deuteranomaly

42.2796, 41.5038, 42.3419

## Tritanomaly

42.7621, 41.4048, 45.7825

# Monochromacy



## Original Color

42.0290, 41.3746, 42.3301

## Achromatopsia

40.2316, 42.3268, 46.0938

## Achromatomaly

40.7360, 41.7694, 44.4434

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.0290, 41.3746, 42.3301 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(190, 167, 167)` looks like.

```
.text, #text, p{  
    color:rgb(190, 167, 167)  
}
```

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(190, 167, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 167, 167) }
```

## Border

The CSS property to change the border of an element to XYZ 42.0290, 41.3746, 42.3301 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(190, 167, 167) }
```



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

```
.border{ border-color:rgb(190, 167, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 167, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 167, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 167, 167);  
box-shadow:4px 4px 4px 4px rgb(190, 167,  
167) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.0290, 41.3746, 42.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 167, 167) }
```

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

```
.background{ background-color: rgb(190,  
167, 167) }
```

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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