

Converting Colors

XYZ(42.1129, 42.1305, 43.7936)

Have a look what the booklet for
XYZ(42.1129, 42.1305, 43.7936)
contains.

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Color

**XYZ(42.1239, 42.2165,
43.9586)**

Conversions

Conversions Part 1

Format	Color
Hex	BBAAAA
RGB	187, 170, 170
RGB Percent	73%, 67%, 67%
CMY	0.2667, 0.3333, 0.3333
CMYK	0.00, 0.09, 0.09, 0.27
HSL	0°, 11%, 70%
HSV	0°, 9%, 73%
XYZ	42.1239, 42.2165, 43.9586
YIQ	175.0830, 10.1320, 3.6040

Conversions

Conversions Part 2

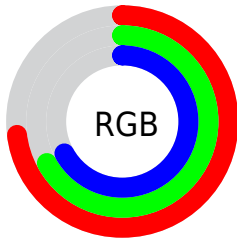
Format	Color
RYB	187, 170, 170
Decimal	12298922
CIELab	71.02, 6.13, 2.22
CIELCh	71, 6.515, 19.897
Yxy	42.2165, 0.3283, 0.3290
Android (android.graphics.Color)	4290489002 (0xFFBBAAAA)
YUV	175.0830, -2.5059, 10.4512
Hunter-Lab	64.9742, 2.0197, 5.3690

Details

The XYZ color **42.1239, 42.2165, 43.9586** is a light color, and the websafe version is hex **999999**. A complement of this color would be **43.3173, 47.6736, 53.9330**, and the grayscale version is **40.8003, 42.9251, 46.7455**.

A 20% lighter version of the original color is **77.4780, 78.3414, 82.2720**, and **19.5800, 19.3332, 19.8392** is the 20% darker color. If you saturate the color by 10%, you get **37.2204, 35.0416, 34.2085**, and if you desaturate by 10%, it is **47.7799, 50.4927, 55.2020**.

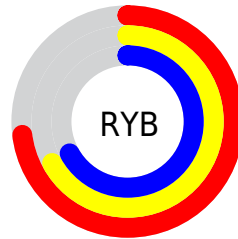
Distribution



Red (73%)

Green (67%)

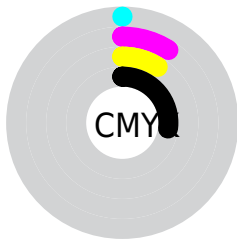
Blue (67%)



Red (73%)

Yellow (67%)

Blue (67%)

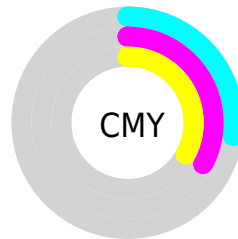


Cyan (0%)

Magenta (9%)

Yellow (9%)

Black (27%)



Cyan (27%)

Magenta (33%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1239, 42.2165, 43.9586 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 42.1239, 42.2165, 43.9586 by changing the saturation by 10% instead.

■ 42.1239, 42.2165,
43.9586

■ 42.1239, 42.2165,
43.9586

345.9792,
355.3796, 378.5757

■ 29.3899, 29.2709,
30.3010

■ 77.6511, 78.5272,
82.4573

■ 19.5217, 19.2858,
19.8132

101.1750,
102.6610, 108.1354

■ 12.1541, 11.8770,
12.0766

129.0261,
131.2930, 138.6575

■ 6.9216, 6.6600,
6.6727

161.5700,
164.8076, 174.4420

■ 3.4590, 3.2504,
3.1829

199.1719,
203.5892, 215.9076

■ 1.4009, 1.2638,
1.1888

242.1971,

■ 0.2569, 0.1129,

248.0221, 263.4727

0.0000

291.0111,
298.4908, 317.5559

■ 0.0000, 0.0000,
0.0000

■ 42.1239, 42.2165,
43.9586

■ 42.1239, 42.2165,
43.9586

■ 37.2204, 35.0416,
34.2085

■ 47.7799, 50.4927,
55.2020

■ 33.0343, 28.9163,
25.8863

■ 54.2145, 59.9079,
67.9950

■ 29.5331, 23.7931,
18.9260

■ 61.4569, 70.5051,
82.3942

■ 26.6804, 19.6187,
13.2550

■ 69.5337, 82.3231,
98.4525

■ 24.4363, 16.3349,
8.7941

■ 74.3037, 89.3049,
107.9291

■ 22.7567, 13.8770,
5.4556

■ 21.5914, 12.1716,
3.1396

■ 20.8814, 11.1326,
1.7289

■ 20.5219, 10.6063,
1.0144

Harmonies

Analogous

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



42.2194, 42.2165, 47.0251



42.1239, 42.2165, 43.9586



41.4875, 42.2165, 41.5367

Triad

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



42.1239, 42.2165, 43.9586



38.5474, 42.2165, 42.2161



39.7598, 42.2165, 52.1176

Complementary

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



42.1239, 42.2165, 43.9586



43.3173, 47.6736, 53.9330

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.



38.7936, 42.2165, 50.7007



42.1239, 42.2165, 43.9586



38.1020, 42.2165, 44.9241

Square

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



42.1239, 42.2165, 43.9586



39.4181, 42.2165, 40.5626



38.1914, 42.2165, 48.0348



40.8413, 42.2165, 51.8304

Rectangle

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



42.1239, 42.2165, 43.9586



40.8485, 42.2165, 40.5694



38.1914, 42.2165, 48.0348



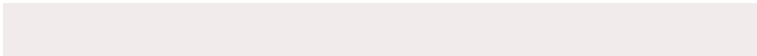
39.4111, 42.2165, 51.8224

Sweetspot

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



42.1251, 42.2184, 43.9595



81.4004, 84.3261, 90.5703



43.8384, 42.9027, 52.9846



17.7437, 18.3037, 19.5832



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.



42.1251, 42.2184, 43.9595



73.5027, 72.7698, 74.8686



43.7698, 45.5077, 44.5077



9.5303, 9.5367, 9.9151



14.1206, 7.2799, 0.6609



0.5532, 0.2853, 0.0259

Inverse Universe

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



43.3173, 47.6736, 53.9330



76.0912, 84.6143, 96.5232



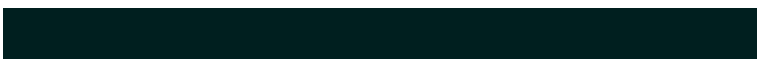
41.5678, 44.1746, 53.3498



9.8085, 10.8092, 12.2416



18.4187, 26.9492, 36.6238



0.7215, 1.0557, 1.4346

Previews

White Background



This preview shows how the XYZ color 42.1239, 42.2165, 43.9586 looks on a white background.

Color Contrast Check

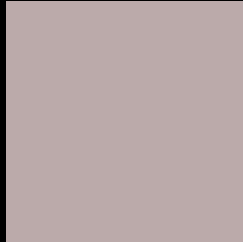
Large Text (above 18pt) WCAG AA × Fail

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 42.1239, 42.2165, 43.9586 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

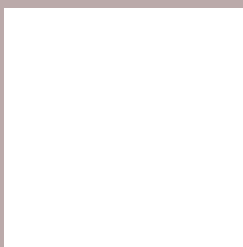
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.1239, 42.2165, 43.9586

Background



This preview shows how black text looks on a background with the XYZ color 42.1239, 42.2165, 43.9586.



This preview shows how white text looks on a background with the XYZ color 42.1239, 42.2165,

43.9586.

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

42.1239, 42.2165, 43.9586

Protanopia

40.5214, 42.2128, 45.0419

Deuteranopia

42.9966, 42.1140, 43.8929



Tritanopia

43.3294, 42.1603, 49.5701

Trichromacy



Original Color

42.1239, 42.2165, 43.9586

Protanomaly

41.1593, 42.2691, 44.5175

Deuteranomaly

42.6789, 42.2254, 43.9311

Tritanomaly

42.8628, 42.2416, 47.4893

Monochromacy



Original Color

42.1239, 42.2165, 43.9586

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

41.0768, 42.4880, 45.5712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1239, 42.2165, 43.9586 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(187, 170, 170)` looks like.

```
.text, #text, p{  
    color:rgb(187, 170, 170)  
}
```

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(187, 170, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 170, 170) }
```

Border

The CSS property to change the border of an element to XYZ 42.1239, 42.2165, 43.9586 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(187, 170, 170) }
```


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

```
.border{ border-color:rgb(187, 170, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 170, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 170, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 170, 170);  
box-shadow:4px 4px 4px 4px rgb(187, 170,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1239, 42.2165, 43.9586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 170, 170) }
```

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

```
.background{ background-color: rgb(187,  
170, 170) }
```

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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