

Converting Colors

XYZ(40.6372, 41.9057, 43.0862)

Have a look what the booklet for
XYZ(40.6372, 41.9057, 43.0862)
contains.

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Color

**XYZ(40.6428, 42.0355,
43.0173)**

Conversions

Conversions Part 1

Format	Color
Hex	B4ACA8
RGB	180, 172, 168
RGB Percent	71%, 67%, 66%
CMY	0.2941, 0.3255, 0.3412
CMYK	0.00, 0.04, 0.07, 0.29
HSL	20°, 7%, 68%
HSV	20°, 7%, 71%
XYZ	40.6428, 42.0355, 43.0173
YIQ	173.9360, 6.0520, 0.4520

Conversions

Conversions Part 2

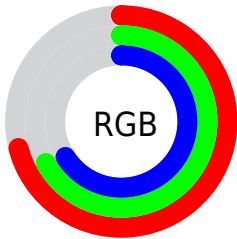
Format	Color
RYB	180, 174, 168
Decimal	11840680
CIELab	70.90, 2.14, 3.07
CIELCh	71, 3.739, 55.057
Yxy	42.0355, 0.3233, 0.3344
Android (android.graphics.Color)	4290030760 (0xFFB4ACA8)
YUV	173.9360, -2.9264, 5.3181
Hunter-Lab	64.8348, -1.5651, 6.0460

Details

The XYZ color **40.6428, 42.0355, 43.0173** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.9119, 42.6701, 49.3131**, and the grayscale version is **40.2126, 42.3068, 46.0721**.

A 20% lighter version of the original color is **75.3804, 78.0988, 80.9136**, and **18.6213, 19.2059, 19.2487** is the 20% darker color. If you saturate the color by 10%, you get **36.9001, 37.0503, 34.0612**, and if you desaturate by 10%, it is **44.8261, 47.5294, 53.2666**.

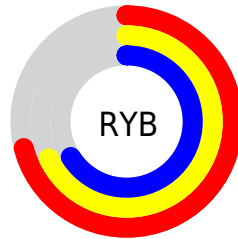
Distribution



Red (71%)

Green (67%)

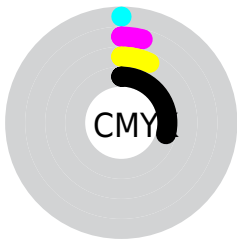
Blue (66%)



Red (71%)

Yellow (68%)

Blue (66%)

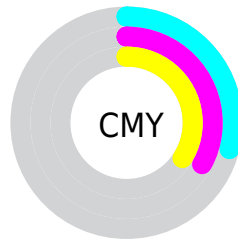


Cyan (0%)

Magenta (4%)

Yellow (7%)

Black (29%)



Cyan (29%)

Magenta (33%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6428, 42.0355, 43.0173 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 40.6428, 42.0355, 43.0173 by changing the saturation by 10% instead.

■ 40.6428, 42.0355,
43.0173

■ 40.6428, 42.0355,
43.0173

339.9136,
354.6301, 374.6062

■ 28.2265, 29.1291,
29.5672

■ 75.4195, 78.2534,
81.0236

■ 18.6378, 19.1785,
19.2610

98.5106, 102.3336,
106.4169

■ 11.5113, 11.7993,
11.6803

125.8907,
130.9072, 136.6283

■ 6.4817, 6.6072,
6.4065

157.9252,
164.3586, 172.0764

■ 3.1835, 3.2177,
3.0211

194.9794,
203.0722, 213.1796

■ 1.2516, 1.2464,
1.1054

237.4186,

■ 0.1465, 0.0991,

247.4324, 260.3567

0.0000

285.6082,
297.8236, 314.0260

■ 0.0000, 0.0000,
0.0000

■ 40.6428, 42.0355,
43.0173

■ 40.6428, 42.0355,
43.0173

■ 36.9001, 37.0503,
34.0612

■ 44.8261, 47.5294,
53.2666

■ 33.5797, 32.5536,
26.3438

■ 49.4606, 53.5406,
64.8551

■ 30.6668, 28.5320,
19.8108

■ 54.5610, 60.0842,
77.8300

■ 28.1446, 24.9692,
14.4027

■ 60.1403, 67.1733,
92.2353

■ 25.9951, 21.8482,
10.0549

■ 65.7236, 74.6254,
105.5479

■ 24.1986, 19.1505,
6.6960

■ 69.2158, 81.6099,
106.7120

■ 22.7334, 16.8564,
4.2459

■ 72.6326, 88.4434,
107.8509

■ 21.5749, 14.9442,
2.6116

■ 20.6916, 13.3888,
1.6660

Harmonies

Analogous

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



41.0473, 42.0355, 44.3333



40.6428, 42.0355, 43.0173



40.0567, 42.0355, 42.4393

Triad

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



40.6428, 42.0355, 43.0173



38.7731, 42.0355, 45.4749



40.4624, 42.0355, 48.9448

Complementary

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



40.6428, 42.0355, 43.0173



39.9119, 42.6701, 49.3131

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.



39.8505, 42.0355, 49.2695



40.6428, 42.0355, 43.0173



38.8792, 42.0355, 47.2364

Square

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



40.6428, 42.0355, 43.0173



38.9806, 42.0355, 43.8345



39.2720, 42.0355, 48.6367



40.9425, 42.0355, 47.7606

Rectangle

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



40.6428, 42.0355, 43.0173



39.6434, 42.0355, 42.5392



39.2720, 42.0355, 48.6367



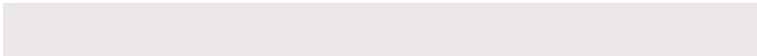
40.2652, 42.0355, 49.1594

Sweetspot

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



40.6440, 42.0373, 43.0182



77.1076, 80.7193, 86.3116



40.6620, 40.8437, 46.8153



16.6834, 17.4696, 18.6984



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



40.6440, 42.0373, 43.0182



72.6480, 74.8354, 75.4676



41.8112, 44.3718, 43.4073



8.7203, 8.9531, 8.9210



14.3225, 9.1436, 1.0100



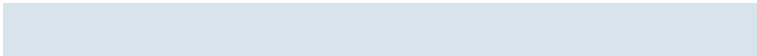
0.5057, 0.3978, 0.0501

Inverse Universe

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



39.9119, 42.6701, 49.3131



71.0437, 76.2218, 89.2625



38.7620, 40.3702, 48.9298



8.4991, 9.1443, 10.8234



10.4970, 11.7944, 31.8603



0.3813, 0.4730, 1.0194

Previews

White Background



This preview shows how the XYZ color 40.6428, 42.0355, 43.0173 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 40.6428, 42.0355, 43.0173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

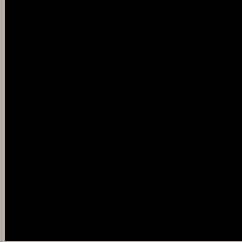
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.6428, 42.0355, 43.0173

Background



This preview shows how black text looks on a background with the XYZ color 40.6428, 42.0355, 43.0173.

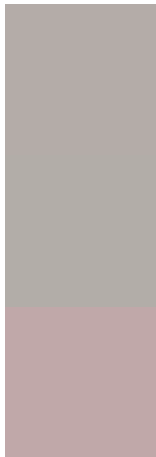


This preview shows how white text looks on a background with the XYZ color 40.6428, 42.0355,

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

40.6428, 42.0355, 43.0173

Protanopia

40.3716, 42.1793, 43.0594

Deuteranopia

42.9023, 42.0763, 43.3965



Tritanopia

42.2134, 42.1134, 50.7036

Trichromacy



Original Color

40.6428, 42.0355, 43.0173

Protanomaly

40.6019, 42.2980, 43.0702

Deuteranomaly

42.0884, 41.9319, 43.4115

Tritanomaly

41.6548, 42.1639, 48.0625

Monochromacy



Original Color

40.6428, 42.0355, 43.0173

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

40.2945, 42.0958, 45.0313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6428, 42.0355, 43.0173 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(180, 172, 168)` looks like.

```
.text, #text, p{  
    color:rgb(180, 172, 168)  
}
```

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(180, 172, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 172, 168) }
```

Border

The CSS property to change the border of an element to XYZ 40.6428, 42.0355, 43.0173 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(180, 172, 168) }
```


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

```
.border{ border-color:rgb(180, 172, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 172, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 172, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 172, 168);  
box-shadow:4px 4px 4px 4px rgb(180, 172,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6428, 42.0355, 43.0173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 172, 168) }
```

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

```
.background{ background-color: rgb(180,  
172, 168) }
```

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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