

Converting Colors

XYZ(40.6078, 43.6590, 48.4112)

Have a look what the booklet for
XYZ(40.6078, 43.6590, 48.4112)
contains.

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Color

**XYZ(40.5338, 43.6012,
48.3990)**

Conversions

Conversions Part 1

Format	Color
Hex	AAB2B2
RGB	170, 178, 178
RGB Percent	67%, 70%, 70%
CMY	0.3333, 0.3019, 0.3020
CMYK	0.04, 0.00, 0.00, 0.30
HSL	180°, 5%, 68%
HSV	180°, 4%, 70%
XYZ	40.5338, 43.6012, 48.3990
YIQ	175.6080, -4.7680, -1.6960

Conversions

Conversions Part 2

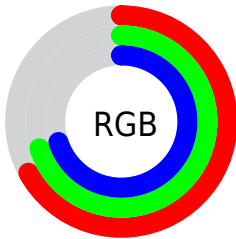
Format	Color
RYB	170, 174, 178
Decimal	11186866
CIELab	71.96, -2.79, -0.98
CIELCh	72, 2.956, 199.330
Yxy	43.6012, 0.3058, 0.3290
Android (android.graphics.Color)	4289376946 (0xFFAAB2B2)
YUV	175.6080, 1.1793, -4.9182
Hunter-Lab	66.0312, -5.9809, 2.7640

Details

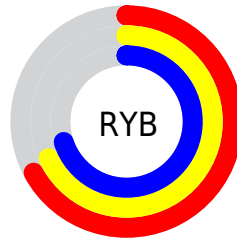
The XYZ color **40.5338, 43.6012, 48.3990** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.9921, 41.1178, 43.8609**, and the grayscale version is **41.0597, 43.1980, 47.0426**.

A 20% lighter version of the original color is **75.3254, 80.7937, 89.4666**, and **18.5065, 19.9995, 22.2869** is the 20% darker color. If you saturate the color by 10%, you get **36.9431, 41.7514, 48.2284**, and if you desaturate by 10%, it is **44.6481, 45.7233, 48.5959**.

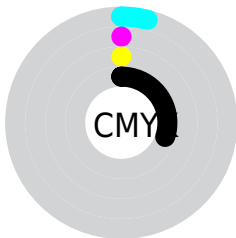
Distribution



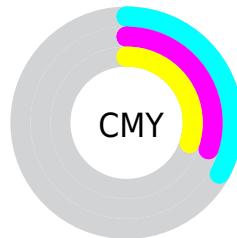
- Red (67%)
- Green (70%)
- Blue (70%)



- Red (67%)
- Yellow (68%)
- Blue (70%)



- Cyan (4%)
- Magenta (0%)
- Yellow (0%)
- Black (30%)



- Cyan (33%)
- Magenta (30%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5338, 43.6012, 48.3990 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 40.5338, 43.6012, 48.3990 by changing the saturation by 10% instead.

■ 40.5338, 43.6012,
48.3990

■ 40.5338, 43.6012,
48.3990

339.4643,
361.0784, 396.9257

■ 28.1410, 30.3571,
33.7807

■ 75.2549, 80.6173,
89.1699

■ 18.5730, 20.1098,
22.4492

98.3139, 105.1581,
116.1596

■ 11.4643, 12.4749,
13.9859

125.6591,
134.2333, 148.1102

■ 6.4496, 7.0680,
7.9722

157.6557,
168.2272, 185.4403

■ 3.1636, 3.5046,
3.9896

194.6692,
207.5243, 228.5683

■ 1.2409, 1.4005,
1.6197

237.0649,

■ 0.1383, 0.2171,

252.5089, 277.9129

0.3048

285.2081,
303.5655, 333.8925

■ 0.0000, 0.0000,
0.0000

■ 40.5338, 43.6012,
48.3990

■ 40.5338, 43.6012,
48.3990

■ 36.9431, 41.7514,
48.2284

■ 44.6481, 45.7233,
48.5959

■ 33.8513, 40.1576,
48.0802

■ 49.3018, 48.1223,
48.8172

■ 31.2377, 38.8103,
47.9544

■ 54.5148, 50.8096,
49.0646

■ 29.0783, 37.6972,
47.8499

■ 60.3048, 53.7944,
49.3391

■ 27.3472, 36.8048,
47.7654

■ 65.2006, 56.3182,
49.5717

■ 26.0159, 36.1186,
47.6996

■ 65.2013, 56.3185,
49.5752

■ 25.0524, 35.6220,
47.6510

■ 65.2019, 56.3188,
49.5787

■ 24.4199, 35.2960,
47.6180

■ 65.2026, 56.3190,
49.5822

■ 24.0739, 35.1177,
47.5983

■ 65.2033, 56.3193,
49.5857

Harmonies

Analogous

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



40.4965, 43.6012, 46.9622



40.5338, 43.6012, 48.3990



40.8132, 43.6012, 49.6108

Triad

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



40.5338, 43.6012, 48.3990



42.1811, 43.6012, 49.3063



41.6213, 43.6012, 44.7985

Complementary

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



40.5338, 43.6012, 48.3990



39.9921, 41.1178, 43.8609

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.



42.0765, 43.6012, 45.4000



40.5338, 43.6012, 48.3990



42.4014, 43.6012, 47.9901

Square

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



40.5338, 43.6012, 48.3990



41.7633, 43.6012, 50.1419



42.3629, 43.6012, 46.5614



41.1217, 43.6012, 44.9030

Rectangle

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



40.5338, 43.6012, 48.3990



41.1005, 43.6012, 50.1189



42.3629, 43.6012, 46.5614



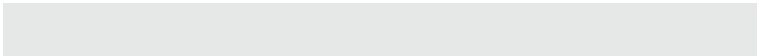
41.7847, 43.6012, 44.9244

Sweetspot

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



40.5350, 43.6031, 48.4000



75.9895, 80.3486, 87.8843



39.7837, 43.3058, 44.2928



16.8442, 17.8057, 19.4712



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.



40.5350, 43.6031, 48.4000



73.0935, 78.8557, 87.7462



39.7764, 42.0854, 48.1486



9.0536, 9.7919, 10.9187



17.1363, 25.0805, 34.0501



0.5392, 0.7892, 1.0716

Inverse Universe

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



39.9921, 41.1178, 43.8609



71.9840, 73.7771, 78.4707



40.7277, 42.5894, 44.1047



8.9022, 9.0991, 9.6535



13.1372, 6.7724, 0.6164



0.4134, 0.2131, 0.0196

Previews

White Background



This preview shows how the XYZ color 40.5338, 43.6012, 48.3990 looks on a white background.

Color Contrast Check

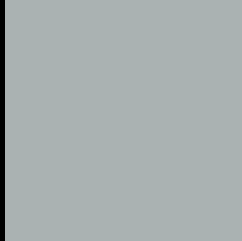
Large Text (above 18pt) WCAG AA × Fail

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 40.5338, 43.6012, 48.3990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

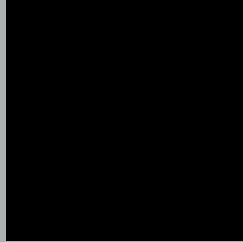
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

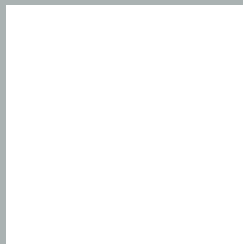
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.5338, 43.6012, 48.3990

Background



This preview shows how black text looks on a background with the XYZ color 40.5338, 43.6012, 48.3990.

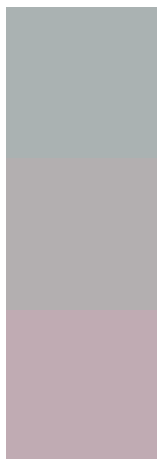


This preview shows how white text looks on a background with the XYZ color 40.5338, 43.6012,

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

40.5338, 43.6012, 48.3990

Protanopia

41.7569, 43.3782, 47.2463

Deuteranopia

44.4378, 43.5870, 48.7188



Tritanopia

41.8329, 43.5390, 54.9142

Trichromacy



Original Color

40.5338, 43.6012, 48.3990

Protanomaly

41.3656, 43.4551, 47.8024

Deuteranomaly

43.0399, 43.7171, 48.8176

Tritanomaly

41.3797, 43.6474, 52.6982

Monochromacy



Original Color

40.5338, 43.6012, 48.3990

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

41.1135, 43.6173, 47.8470

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5338, 43.6012, 48.3990 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(170, 178, 178)` looks like.

```
.text, #text, p{  
    color:rgb(170, 178, 178)  
}
```

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(170, 178, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 178, 178) }
```

Border

The CSS property to change the border of an element to XYZ 40.5338, 43.6012, 48.3990 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(170, 178, 178) }
```


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

```
.border{ border-color:rgb(170, 178, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 178, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 178, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 178, 178);  
box-shadow:4px 4px 4px 4px rgb(170, 178,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5338, 43.6012, 48.3990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 178, 178) }
```

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

```
.background{ background-color: rgb(170,  
178, 178) }
```

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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