

Converting Colors

XYZ(40.9046, 44.6400, 40.3133)

Have a look what the booklet for
XYZ(40.9046, 44.6400, 40.3133)
contains.

XYZ(40.8857, 44.5628, 40.1648)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.8857, 44.5628,
40.1648)**

Conversions

Conversions Part 1

Format	Color
Hex	B1B4A1
RGB	177, 180, 161
RGB Percent	69%, 71%, 63%
CMY	0.3059, 0.2941, 0.3686
CMYK	0.02, 0.00, 0.11, 0.29
HSL	69°, 11%, 67%
HSV	69°, 11%, 71%
XYZ	40.8857, 44.5628, 40.1648
YIQ	176.9370, 4.3110, -6.5450

Conversions

Conversions Part 2

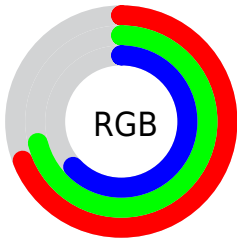
Format	Color
RYB	161, 180, 164
Decimal	11646113
CIELab	72.60, -4.47, 9.33
CIELCh	73, 10.344, 115.604
Yxy	44.5628, 0.3255, 0.3548
Android (android.graphics.Color)	4289836193 (0xFFB1B4A1)
YUV	176.9370, -7.8569, 0.0553
Hunter-Lab	66.7554, -7.4959, 11.0557

Details

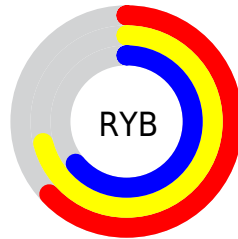
The XYZ color **40.8857, 44.5628, 40.1648** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.2947, 36.6788, 48.3491**, and the grayscale version is **41.7962, 43.9729, 47.8865**.

A 20% lighter version of the original color is **75.9944, 82.2724, 76.8406**, and **18.6619, 20.5680, 17.4544** is the 20% darker color. If you saturate the color by 10%, you get **38.7704, 43.6440, 32.3677**, and if you desaturate by 10%, it is **43.2456, 45.5839, 49.1681**.

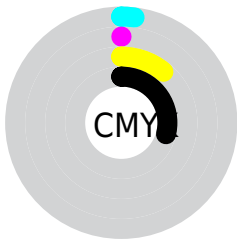
Distribution



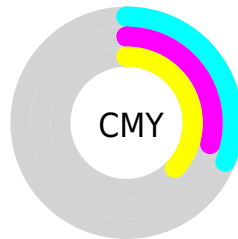
- Red (69%)
- Green (71%)
- Blue (63%)



- Red (63%)
- Yellow (71%)
- Blue (64%)



- Cyan (2%)
- Magenta (0%)
- Yellow (11%)
- Black (29%)



- Cyan (31%)
- Magenta (29%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8857, 44.5628, 40.1648 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 40.8857, 44.5628, 40.1648 by changing the saturation by 10% instead.

■ 40.8857, 44.5628,
40.1648

■ 40.8857, 44.5628,
40.1648

340.9134,
365.0000, 362.3904

■ 28.4171, 31.1132,
27.3523

■ 75.7862, 82.0640,
76.6542

■ 18.7823, 20.6851,
17.6032

■ 98.9487, 106.8843,
101.1682

■ 11.6162, 12.8940,
10.4990

126.4065,
136.2637, 130.4198

■ 6.5532, 7.3556,
5.6211

158.5251,
170.5865, 164.8275

■ 3.2281, 3.6855,
2.5511

195.6697,
210.2371, 204.8099

■ 1.2755, 1.4992,
0.8670

238.2057,

■ 0.1648, 0.2882,

255.6000, 250.7855

0.0000

286.4985,
307.0595, 303.1728

■ 0.0000, 0.0000,
0.0000

■ 40.8857, 44.5628,
40.1648

■ 40.8857, 44.5628,
40.1648

■ 38.7704, 43.6440,
32.3677

■ 43.2456, 45.5839,
49.1681

■ 36.8861, 42.8178,
25.7228

■ 45.8555, 46.7051,
59.4228

■ 35.2236, 42.0818,
20.1761

■ 48.7255, 47.9319,
70.9755

■ 33.7716, 41.4315,
15.6683

■ 51.8638, 49.2676,
83.8693

■ 32.5176, 40.8620,
12.1344

■ 55.2783, 50.7154,
98.1454

■ 31.4478, 40.3676,
9.5023

■ 56.6388, 51.3432,
101.5328

■ 30.5465, 39.9422,
7.6896

■ 57.3765, 51.7235,
101.5673

■ 29.7952, 39.5782,
6.5992

■ 58.1282, 52.1110,
101.6025

■ 29.1873, 39.2765,
6.0428

■ 58.8941, 52.5058,
101.6383

Harmonies

Analogous

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



42.6199, 44.5628, 39.3427



40.8857, 44.5628, 40.1648



39.5789, 44.5628, 43.1638

Triad

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



40.8857, 44.5628, 40.1648



40.4411, 44.5628, 57.1170



45.8804, 44.5628, 49.2806

Complementary

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



40.8857, 44.5628, 40.1648



36.2947, 36.6788, 48.3491

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.



45.2593, 44.5628, 54.3047



40.8857, 44.5628, 40.1648



42.0924, 44.5628, 59.0267

Square

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



40.8857, 44.5628, 40.1648



39.3273, 44.5628, 52.9065



43.8603, 44.5628, 57.9633



45.5355, 44.5628, 44.3854

Rectangle

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



40.8857, 44.5628, 40.1648



39.1089, 44.5628, 46.1120



43.8603, 44.5628, 57.9633



45.7772, 44.5628, 51.0132

Sweetspot

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



40.8869, 44.5647, 40.1658



77.3004, 82.1708, 84.8668



38.5055, 38.7750, 39.1737



16.6318, 17.7274, 18.0525



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.



40.8869, 44.5647, 40.1658



73.0676, 80.3389, 68.8468



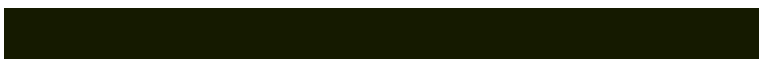
38.8298, 43.5043, 40.0695



9.0625, 9.8373, 9.0737



20.4166, 27.4352, 4.2195



0.6777, 0.8814, 0.1344

Inverse Universe

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



36.2947, 36.6788, 48.3491



62.8274, 62.7533, 87.0959



38.2956, 37.7103, 48.4428



8.1629, 8.2925, 10.6767



6.1308, 2.4964, 30.2957



0.2314, 0.0984, 0.9550

Previews

White Background



This preview shows how the XYZ color 40.8857, 44.5628, 40.1648 looks on a white background.

Color Contrast Check

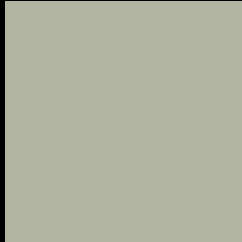
Large Text (above 18pt) WCAG AA × Fail

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 40.8857, 44.5628, 40.1648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

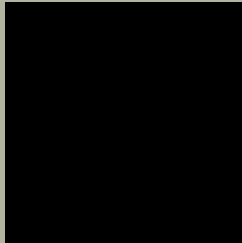
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

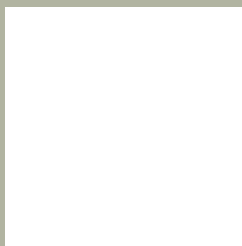
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.8857, 44.5628, 40.1648

Background



This preview shows how black text looks on a background with the XYZ color 40.8857, 44.5628, 40.1648.



This preview shows how white text looks on a background with the XYZ color 40.8857, 44.5628,

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

40.8857, 44.5628, 40.1648

Protanopia

42.0749, 44.2966, 39.5902

Deuteranopia

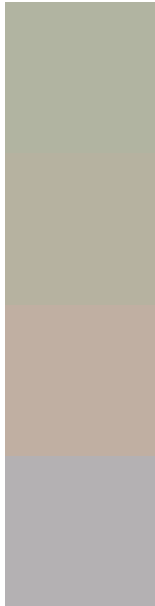
45.4508, 44.5669, 40.8571



Tritanopia

43.8757, 44.5921, 55.0098

Trichromacy



Original Color

40.8857, 44.5628, 40.1648

Protanomaly

41.5570, 44.3239, 39.6228

Deuteranomaly

43.5898, 44.4750, 40.4695

Tritanomaly

42.6812, 44.4023, 48.9688

Monochromacy



Original Color

40.8857, 44.5628, 40.1648

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.4025, 44.1282, 44.8635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8857, 44.5628, 40.1648 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(177, 180, 161)` looks like.

```
.text, #text, p{  
    color:rgb(177, 180, 161)  
}
```

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(177, 180, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 180, 161) }
```

Border

The CSS property to change the border of an element to XYZ 40.8857, 44.5628, 40.1648 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(177, 180, 161) }
```


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

```
.border{ border-color:rgb(177, 180, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 180, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 180, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 180, 161);  
box-shadow:4px 4px 4px 4px rgb(177, 180,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8857, 44.5628, 40.1648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 180, 161) }
```

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

```
.background{ background-color: rgb(177,  
180, 161) }
```

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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