

Converting Colors

XYZ(40.4255, 47.6901, 30.9129)

Have a look what the booklet for
XYZ(40.4255, 47.6901, 30.9129)
contains.

XYZ(40.3844, 47.6317, 30.7323)	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(40.3844, 47.6317,
30.7323)**

Conversions

Conversions Part 1

Format	Color
Hex	AEBE89
RGB	174, 190, 137
RGB Percent	68%, 75%, 54%
CMY	0.3176, 0.2549, 0.4627
CMYK	0.08, 0.00, 0.28, 0.25
HSL	78°, 29%, 64%
HSV	78°, 28%, 75%
XYZ	40.3844, 47.6317, 30.7323
YIQ	179.1740, 7.4770, -19.8750

Conversions

Conversions Part 2

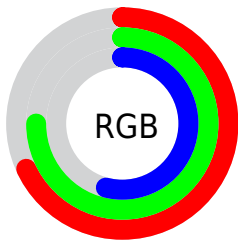
Format	Color
RYB	137, 190, 153
Decimal	11452041
CIELab	74.59, -14.59, 25.00
CIElCh	75, 28.948, 120.271
Yxy	47.6317, 0.3401, 0.4011
Android (android.graphics.Color)	4289642121 (0xFFAE8E89)
YUV	179.1740, -20.7918, -4.5376
Hunter-Lab	69.0157, -16.3286, 21.9095

Details

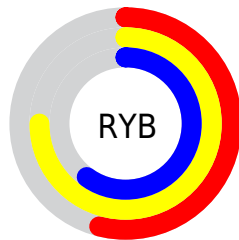
The XYZ color **40.3844, 47.6317, 30.7323** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.3786, 28.3826, 52.5423**, and the grayscale version is **43.0462, 45.2880, 49.3186**.

A 20% lighter version of the original color is **74.9929, 86.4961, 62.0331**, and **18.5511, 22.6444, 12.4099** is the 20% darker color. If you saturate the color by 10%, you get **37.8892, 46.4907, 24.1166**, and if you desaturate by 10%, it is **43.1768, 48.9011, 38.6167**.

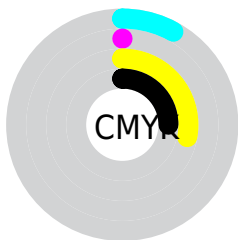
Distribution



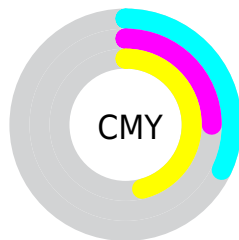
- Red (68%)
- Green (75%)
- Blue (54%)



- Red (54%)
- Yellow (75%)
- Blue (60%)



- Cyan (8%)
- Magenta (0%)
- Yellow (28%)
- Black (25%)





- Cyan (32%)
- Magenta (25%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3844, 47.6317, 30.7323 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 40.3844, 47.6317, 30.7323 by changing the saturation by 10% instead.


 40.3844, 47.6317,
30.7323


 40.3844, 47.6317,
30.7323

338.8478,
377.3304, 319.6160


 28.0239, 33.5353,
20.1383


 75.0291, 86.6558,
61.8930

 18.4842, 22.5368,
12.3106


 98.0441, 112.3523,
83.2968

 11.4000, 14.2519,
6.8305


 125.3413,
142.6843, 109.1409

 6.4058, 8.2961,
3.2795

157.2860,
178.0361, 139.8440

 3.1364, 4.2850,
1.2390

194.2437,
218.7923, 175.8245

 1.2263, 1.8342,
0.0110

236.5797,

 0.1270, 0.5084,

265.3371, 217.5010

0.0000

284.6592,
318.0550, 265.2920

■ 0.0000, 0.0000,
0.0000

■ 40.3844, 47.6317,
30.7323

■ 40.3844, 47.6317,
30.7323

■ 37.8892, 46.4907,
24.1166

■ 43.1768, 48.9011,
38.6167

■ 35.6741, 45.4664,
18.7003

■ 46.2749, 50.2976,
47.8283

■ 33.7260, 44.5550,
14.4119


■ 49.6916, 51.8279,
58.4256


■ 32.0289, 43.7501,
11.1714


■ 53.4377, 53.4966,
70.4627

■ 30.5650, 43.0444,
8.8879


■ 57.5237, 55.3078,
83.9907


 29.3133, 42.4296,
7.4553


 61.9593, 57.2655,
99.0583

 28.2425, 41.8929,
6.7124

 64.2428, 58.3691,
102.4881

 28.0295, 41.7856,
6.5881

 65.9486, 59.2485,
102.5680

 67.7139, 60.1586,
102.6506

Harmonies

Analogous

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



45.2250, 47.6317, 28.0414



40.3844, 47.6317, 30.7323



37.0800, 47.6317, 38.8370

Triad

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



40.3844, 47.6317, 30.7323



40.4607, 47.6317, 81.1492



56.1058, 47.6317, 51.7268

Complementary

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



40.3844, 47.6317, 30.7323



31.3786, 28.3826, 52.5423

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.



54.5908, 47.6317, 67.5171



40.3844, 47.6317, 30.7323



45.3201, 47.6317, 86.3724

Square

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



40.3844, 47.6317, 30.7323



37.1216, 47.6317, 67.7986



50.5399, 47.6317, 80.9658



54.5369, 47.6317, 38.6429

Rectangle

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



40.3844, 47.6317, 30.7323



36.0562, 47.6317, 47.1407



50.5399, 47.6317, 80.9658



55.9390, 47.6317, 56.8902

Sweetspot

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



40.3856, 47.6338, 30.7333



83.7146, 91.0798, 86.2483



37.1271, 35.5045, 28.5639



18.1873, 19.9124, 18.3473



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.



40.3856, 47.6338, 30.7333



70.5658, 85.1198, 48.6546



35.0709, 44.8939, 30.4846



10.0342, 10.9720, 10.1656



18.7195, 27.8262, 4.3844



0.7966, 1.1226, 0.1747

Inverse Universe

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



31.3786, 28.3826, 52.5423



51.7567, 44.9044, 94.2187



36.9246, 31.2417, 52.8019



9.2801, 9.3613, 11.9900



7.3867, 3.0941, 32.6008



0.3577, 0.1565, 1.2802

Previews

White Background



This preview shows how the XYZ color 40.3844, 47.6317, 30.7323 looks on a white background.

Color Contrast Check

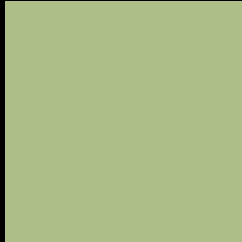
Large Text (above 18pt) WCAG AA × Fail

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 40.3844, 47.6317, 30.7323 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 40.3844, 47.6317, 30.7323

Background



This preview shows how black text looks on a background with the XYZ color 40.3844, 47.6317, 30.7323.



This preview shows how white text looks on a background with the XYZ color 40.3844, 47.6317,

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

40.3844, 47.6317, 30.7323

Protanopia

44.2625, 47.4585, 29.3818

Deuteranopia

48.2833, 47.3912, 31.4136



Tritanopia

46.0974, 47.4322, 59.5491

Trichromacy



Original Color

40.3844, 47.6317, 30.7323

Protanomaly

42.9183, 47.6859, 29.8639

Deuteranomaly

45.0035, 47.1912, 31.1630

Tritanomaly

43.6772, 47.3768, 47.4000

Monochromacy



Original Color

40.3844, 47.6317, 30.7323

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.7658, 45.8944, 41.7792

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3844, 47.6317, 30.7323 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(174, 190, 137)` looks like.

```
.text, #text, p{  
    color:rgb(174, 190, 137)  
}
```

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(174, 190, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 190, 137) }
```

Border

The CSS property to change the border of an element to XYZ 40.3844, 47.6317, 30.7323 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(174, 190, 137) }
```


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

```
.border{ border-color:rgb(174, 190, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 190, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 190, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 190, 137);  
box-shadow:4px 4px 4px 4px rgb(174, 190,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3844, 47.6317, 30.7323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 190, 137) }
```

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

```
.background{ background-color: rgb(174,  
190, 137) }
```

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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