

Converting Colors

XYZ(40.7581, 47.4189, 30.2468)

Have a look what the booklet for
XYZ(40.7581, 47.4189, 30.2468)
contains.

XYZ(40.7730, 47.5199, 30.3158)	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(40.7730, 47.5199,
30.3158)**

Conversions

Conversions Part 1

Format	Color
Hex	B1BD88
RGB	177, 189, 136
RGB Percent	69%, 74%, 53%
CMY	0.3059, 0.2588, 0.4667
CMYK	0.06, 0.00, 0.28, 0.26
HSL	74°, 29%, 64%
HSV	74°, 28%, 74%
XYZ	40.7730, 47.5199, 30.3158
YIQ	179.3700, 9.8610, -19.0270

Conversions

Conversions Part 2

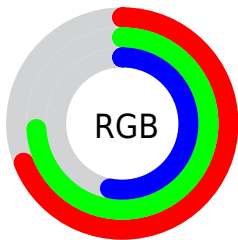
Format	Color
RYB	136, 189, 148
Decimal	11648392
CIELab	74.52, -13.08, 25.47
CIELCh	75, 28.638, 117.187
Yxy	47.5199, 0.3438, 0.4006
Android (android.graphics.Color)	4289838472 (0xFFB1BD88)
YUV	179.3700, -21.3814, -2.0785
Hunter-Lab	68.9347, -15.0578, 22.1800

Details

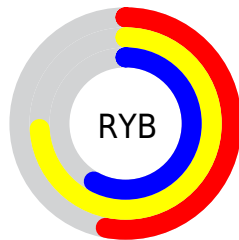
The XYZ color **40.7730, 47.5199, 30.3158** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.2040, 27.5796, 51.8783**, and the grayscale version is **43.1531, 45.4005, 49.4411**.

A 20% lighter version of the original color is **75.5509, 86.3462, 61.3997**, and **18.7961, 22.5653, 12.1690** is the 20% darker color. If you saturate the color by 10%, you get **38.5871, 46.5363, 23.8095**, and if you desaturate by 10%, it is **43.2288, 48.6183, 38.0731**.

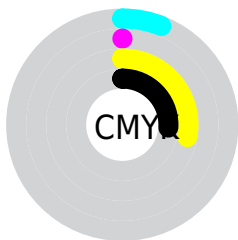
Distribution



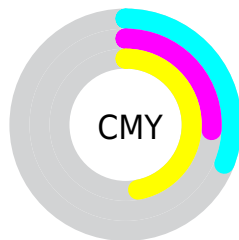
- Red (69%)
- Green (74%)
- Blue (53%)



- Red (53%)
- Yellow (74%)
- Blue (58%)



- Cyan (6%)
- Magenta (0%)
- Yellow (28%)
- Black (26%)



- Cyan (31%)
- Magenta (26%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7730, 47.5199, 30.3158 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 40.7730, 47.5199, 30.3158 by changing the saturation by 10% instead.

■ 40.7730, 47.5199,
30.3158

■ 40.7730, 47.5199,
30.3158

340.4498,
376.8860, 317.6267

■ 28.3286, 33.4468,
19.8243

■ 75.6161, 86.4892,
61.2281

■ 18.7153, 22.4690,
12.0846

■ 98.7455, 112.1541,
82.4861

■ 11.5675, 14.2019,
6.6781

■ 126.1673,
142.4519, 108.1699

■ 6.5200, 8.2612,
3.1862

158.2469,
177.7668, 138.6982

■ 3.2074, 4.2626,
1.1905

195.3495,
218.4833, 174.4895

■ 1.2644, 1.8215,
0.0000

237.8407,

■ 0.1563, 0.5005,

264.9857, 215.9623

0.0000

286.0857,
317.6585, 263.5352

■ 0.0000, 0.0000,
0.0000

■ 40.7730, 47.5199,
30.3158

■ 40.7730, 47.5199,
30.3158

■ 38.5871, 46.5363,
23.8095

■ 43.2288, 48.6183,
38.0731

■ 36.6548, 45.6560,
18.4856

■ 45.9627, 49.8298,
47.1392

■ 34.9634, 44.8755,
14.2736

■ 48.9870, 51.1611,
57.5718

■ 33.4976, 44.1887,
11.0943

■ 52.3120, 52.6163,
69.4243

■ 32.2401, 43.5886,
8.8580

■ 55.9477, 54.1995,
82.7473

■ 31.1706, 43.0671,
7.4596

■ 59.9034, 55.9143,
97.5890

■ 30.2579, 42.6117,
6.7363

■ 61.9709, 56.8776,
102.3200

■ 30.0879, 42.5264,
6.6226

■ 63.1830, 57.5024,
102.3767

■ 64.4277, 58.1441,
102.4350

Harmonies

Analogous

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



45.6561, 47.5199, 28.1883



40.7730, 47.5199, 30.3158



37.3129, 47.5199, 37.7904

Triad

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



40.7730, 47.5199, 30.3158



39.9885, 47.5199, 79.5602



55.8454, 47.5199, 53.1515

Complementary

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



40.7730, 47.5199, 30.3158



30.2040, 27.5796, 51.8783

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.



54.0508, 47.5199, 68.7612



40.7730, 47.5199, 30.3158



44.6799, 47.5199, 85.7213

Square

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



40.7730, 47.5199, 30.3158



36.8848, 47.5199, 65.8760



49.8642, 47.5199, 81.4369



54.6028, 47.5199, 39.7882

Rectangle

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



40.7730, 47.5199, 30.3158



36.1462, 47.5199, 45.6781



49.8642, 47.5199, 81.4369



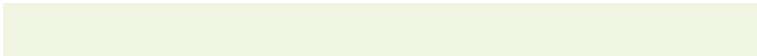
55.5744, 47.5199, 58.3182

Sweetspot

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



40.7742, 47.5220, 30.3168



82.2711, 89.2210, 84.2740



35.9409, 33.6159, 27.8874



17.5262, 19.1133, 17.5631



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.



40.7742, 47.5220, 30.3168



70.4233, 83.9377, 46.4713



35.4087, 44.7560, 30.0657



10.1052, 11.0086, 10.1689



20.3115, 28.6468, 4.4589



0.8485, 1.1494, 0.1771

Inverse Universe

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



30.2040, 27.5796, 51.8783



48.2153, 42.0227, 91.7962



35.4429, 30.2803, 52.1234



9.2133, 9.3268, 11.9869



6.9010, 2.8437, 32.5781



0.3288, 0.1416, 1.2788

Previews

White Background



This preview shows how the XYZ color 40.7730, 47.5199, 30.3158 looks on a white background.

Color Contrast Check

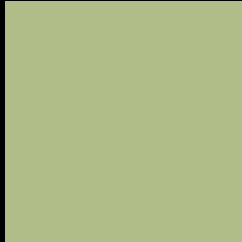
Large Text (above 18pt) WCAG AA × Fail

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 40.7730, 47.5199, 30.3158 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

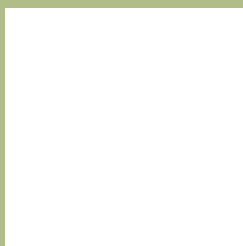
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.7730, 47.5199, 30.3158

Background



This preview shows how black text looks on a background with the XYZ color 40.7730, 47.5199, 30.3158.



This preview shows how white text looks on a background with the XYZ color 40.7730, 47.5199,

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

40.7730, 47.5199, 30.3158

Protanopia

44.1931, 47.4307, 29.0161

Deuteranopia

48.2099, 47.3618, 31.0269



Tritanopia

46.4953, 47.3476, 58.9130

Trichromacy



Original Color

40.7730, 47.5199, 30.3158

Protanomaly

42.8872, 47.3663, 29.4365

Deuteranomaly

45.1987, 47.3002, 30.7924

Tritanomaly

44.0719, 47.2821, 46.8479

Monochromacy



Original Color

40.7730, 47.5199, 30.3158

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.9044, 45.9763, 41.3160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7730, 47.5199, 30.3158 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, 189, 136)` looks like.

```
.text, #text, p{  
    color:rgb(177, 189, 136)  
}
```

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, 189, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 189, 136) }
```

Border

The CSS property to change the border of an element to XYZ 40.7730, 47.5199, 30.3158 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, 189, 136) }
```


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

```
.border{ border-color:rgb(177, 189, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 189, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 189, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 189, 136);  
box-shadow:4px 4px 4px 4px rgb(177, 189,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7730, 47.5199, 30.3158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 189, 136) }
```

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

```
.background{ background-color: rgb(177,  
189, 136) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor