

Converting Colors

XYZ(40.9856, 48.0080, 19.3422)

Have a look what the booklet for
XYZ(40.9856, 48.0080, 19.3422)
contains.

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Color

**XYZ(40.7963, 47.7739,
19.3830)**

Conversions

Conversions Part 1

Format	Color
Hex	BABD65
RGB	186, 189, 101
RGB Percent	73%, 74%, 40%
CMY	0.2706, 0.2588, 0.6039
CMYK	0.02, 0.00, 0.47, 0.26
HSL	62°, 40%, 57%
HSV	62°, 47%, 74%
XYZ	40.7963, 47.7739, 19.3830
YIQ	178.0710, 26.4600, -28.0040

Conversions

Conversions Part 2

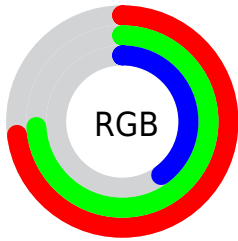
Format	Color
RYB	101, 189, 104
Decimal	12238181
CIELab	74.68, -13.71, 43.84
CIElCh	75, 45.933, 107.362
Yxy	47.7739, 0.3779, 0.4425
Android (android.graphics.Color)	4290428261 (0xFFBABD65)
YUV	178.0710, -37.9960, 6.9537
Hunter-Lab	69.1187, -15.6006, 31.7563

Details

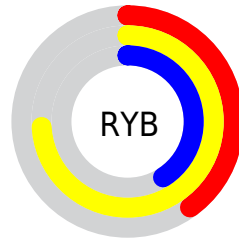
The XYZ color **40.7963, 47.7739, 19.3830** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **19.5496, 15.9257, 50.1905**, and the grayscale version is **42.5406, 44.7560, 48.7393**.

A 20% lighter version of the original color is **75.7934, 86.8710, 43.3449**, and **18.7618, 22.6726, 6.5194** is the 20% darker color. If you saturate the color by 10%, you get **39.8188, 47.3665, 15.0470**, and if you desaturate by 10%, it is **41.9898, 48.2712, 24.8426**.

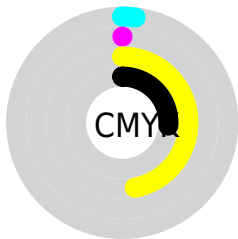
Distribution



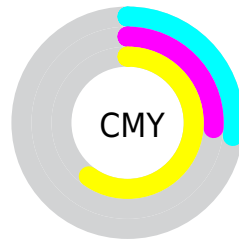
- Red (73%)
- Green (74%)
- Blue (40%)



- Red (40%)
- Yellow (74%)
- Blue (41%)



- Cyan (2%)
- Magenta (0%)
- Yellow (47%)
- Black (26%)



- Cyan (27%)
- Magenta (26%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7963, 47.7739, 19.3830 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 40.7963, 47.7739, 19.3830 by changing the saturation by 10% instead.

■ 40.7963, 47.7739,
19.3830

■ 40.7963, 47.7739,
19.3830

340.5457,
377.8952, 261.0479

■ 28.3469, 33.6479,
11.7677

■ 75.6512, 86.8677,
43.2256

■ 18.7291, 22.6232,
6.4651

■ 98.7875, 112.6042,
60.2900

■ 11.5776, 14.3155,
3.0566

■ 126.2168,
142.9797, 81.3411

■ 6.5269, 8.3405,
1.1236

■ 158.3044,
178.3785, 106.7977

■ 3.2117, 4.3136,
0.0000

195.4158,
219.1851, 137.0781

■ 1.2667, 1.8505,
0.0000

237.9162,

■ 0.1581, 0.5183,

265.7838, 172.6009

0.0000

286.1710,
318.5590, 213.7846

■ 0.0000, 0.0000,
0.0000

■ 40.7963, 47.7739,
19.3830

■ 40.7963, 47.7739,
19.3830

■ 39.8188, 47.3665,
15.0470

■ 41.9898, 48.2712,
24.8426

■ 39.0390, 47.0366,
11.7536

■ 43.4093, 48.8572,
31.4933

■ 38.4414, 46.7797,
9.4159


■ 45.0681, 49.5390,
39.4009


■ 38.0066, 46.5879,
7.9317


■ 46.9777, 50.3213,
48.6255


■ 37.7088, 46.4511,
7.1651


■ 49.1488, 51.2082,
59.2234

 37.6205, 46.4097,
6.9752

 51.5915, 52.2038,
71.2473

 54.3152, 53.3120,
84.7477

 57.3290, 54.5362,
99.7721

 57.9384, 54.7988,
102.1313

Harmonies

Analogous

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



49.0010, 47.7739, 18.8810



40.7963, 47.7739, 19.3830



34.6200, 47.7739, 26.7329

Triad

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



40.7963, 47.7739, 19.3830



35.4045, 47.7739, 93.5585



62.8876, 47.7739, 62.7072

Complementary

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



40.7963, 47.7739, 19.3830



19.5496, 15.9257, 50.1905

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.



58.2314, 47.7739, 89.6623



40.7963, 47.7739, 19.3830



41.9944, 47.7739, 110.8029

Square

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



40.7963, 47.7739, 19.3830



31.7784, 47.7739, 66.9328



50.3540, 47.7739, 109.1917



62.4643, 47.7739, 39.5012

Rectangle

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



40.7963, 47.7739, 19.3830



32.1774, 47.7739, 36.2912



50.3540, 47.7739, 109.1917



61.8429, 47.7739, 71.7352

Sweetspot

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



40.7975, 47.7761, 19.3840



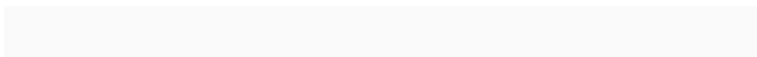
81.4706, 89.0303, 74.2088



28.2804, 21.6468, 15.0003



17.3690, 19.0837, 15.2326



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.



40.7975, 47.7761, 19.3840



71.2590, 84.8065, 26.7207



31.7152, 43.0940, 18.9590



10.2892, 11.1035, 10.1775



25.3245, 31.2311, 4.6935



1.0021, 1.2286, 0.1843

Inverse Universe

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



19.5496, 15.9257, 50.1905



28.5154, 20.7154, 88.7218



26.0411, 19.2722, 50.4944



9.0458, 9.2405, 11.9790



6.2477, 2.5069, 32.5475



0.2552, 0.1036, 1.2754

Previews

White Background



This preview shows how the XYZ color 40.7963, 47.7739, 19.3830 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 40.7963, 47.7739, 19.3830 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 40.7963, 47.7739, 19.3830

Background



This preview shows how black text looks on a background with the XYZ color 40.7963, 47.7739, 19.3830.



This preview shows how white text looks on a background with the XYZ color 40.7963, 47.7739,

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

40.7963, 47.7739, 19.3830

Protanopia

43.7497, 47.7384, 18.7130

Deuteranopia

48.5691, 47.5067, 19.7065



Tritanopia

48.5107, 47.8262, 57.1267

Trichromacy



Original Color

40.7963, 47.7739, 19.3830

Protanomaly

42.6241, 47.7737, 19.0313

Deuteranomaly

45.3478, 47.3234, 19.5762

Tritanomaly

45.0169, 47.6115, 40.0750

Monochromacy



Original Color

40.7963, 47.7739, 19.3830

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.2890, 45.4817, 35.4568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7963, 47.7739, 19.3830 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(186, 189, 101)` looks like.

```
.text, #text, p{  
    color:rgb(186, 189, 101)  
}
```

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(186, 189, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 189, 101) }
```

Border

The CSS property to change the border of an element to XYZ 40.7963, 47.7739, 19.3830 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(186, 189, 101) }
```


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

```
.border{ border-color:rgb(186, 189, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 189, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 189, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 189, 101);  
box-shadow:4px 4px 4px 4px rgb(186, 189,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7963, 47.7739, 19.3830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 189, 101) }
```

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

```
.background{ background-color: rgb(186,  
189, 101) }
```

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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