

Converting Colors

XYZ(41.0603, 49.9725, 20.8728)

Have a look what the booklet for
XYZ(41.0603, 49.9725, 20.8728)
contains.

XYZ(40.8873, 49.7534, 20.8130)	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(40.8873, 49.7534,
20.8130)**

Conversions

Conversions Part 1

Format	Color
Hex	B4C369
RGB	180, 195, 105
RGB Percent	71%, 76%, 41%
CMY	0.2941, 0.2353, 0.5882
CMYK	0.08, 0.00, 0.46, 0.24
HSL	70°, 43%, 59%
HSV	70°, 46%, 76%
XYZ	40.8873, 49.7534, 20.8130
YIQ	180.2550, 19.9500, -31.1700

Conversions

Conversions Part 2

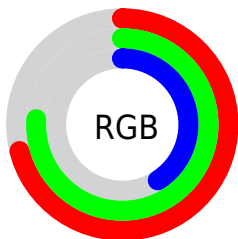
Format	Color
RYB	105, 195, 120
Decimal	11846505
CIELab	75.92, -18.75, 43.27
CIELCh	76, 47.158, 113.431
Yxy	49.7534, 0.3669, 0.4464
Android (android.graphics.Color)	4290036585 (0xFFB4C369)
YUV	180.2550, -37.1007, -0.2236
Hunter-Lab	70.5361, -19.9680, 31.8806

Details

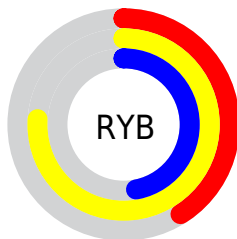
The XYZ color **40.8873, 49.7534, 20.8130** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **22.6495, 18.0376, 53.9205**, and the grayscale version is **43.7062, 45.9823, 50.0748**.

A 20% lighter version of the original color is **75.9070, 90.0940, 45.7369**, and **18.6482, 23.6761, 7.0771** is the 20% darker color. If you saturate the color by 10%, you get **39.2502, 49.0139, 16.0912**, and if you desaturate by 10%, it is **42.7744, 50.5985, 26.7480**.

Distribution



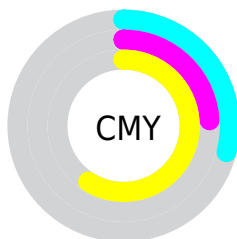
- Red (71%)
- Green (76%)
- Blue (41%)



- Red (41%)
- Yellow (76%)
- Blue (47%)



- Cyan (8%)
- Magenta (0%)
- Yellow (46%)
- Black (24%)





- Cyan (29%)
- Magenta (24%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8873, 49.7534, 20.8130 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 40.8873, 49.7534, 20.8130 by changing the saturation by 10% instead.


 40.8873, 49.7534,
20.8130


 40.8873, 49.7534,
20.8130


340.9200,
385.7008, 269.0313

 28.4183, 35.2175,
12.7975


 75.7886, 89.8094,
45.6529


 18.7833, 23.8305,
7.1601


 98.9516, 116.0983,
63.3143

 11.6169, 15.2079,
3.4825


 126.4099,
147.0736, 85.0280

 6.5537, 8.9654,
1.3460

 158.5291,
183.1198, 111.2127

 3.2284, 4.7186,
0.0990

195.6743,
224.6212, 142.2868

 1.2757, 2.0831,
0.0000

238.2109,

 0.1649, 0.6551,

271.9622, 178.6690

0.0000

286.5044,
325.5273, 220.7776

■ 0.0000, 0.0000,
0.0000

■ 40.8873, 49.7534,
20.8130

■ 40.8873, 49.7534,
20.8130

■ 39.2502, 49.0139,
16.0912

■ 42.7744, 50.5985,
26.7480

■ 37.8435, 48.3668,
12.4957

■ 44.9224, 51.5482,
33.9691

■ 36.6502, 47.8072,
9.9329


■ 47.3459, 52.6102,
42.5470


■ 35.6495, 47.3265,
8.2930


■ 50.0573, 53.7895,
52.5463


■ 34.8145, 46.9142,
7.4358


■ 53.0682, 55.0906,
64.0277

 34.5171, 46.7656,
7.2074

 56.3895, 56.5181,
77.0481

 60.0316, 58.0760,
91.6617

 63.0221, 59.3754,
102.7467

 63.9341, 59.8455,
102.7894

Harmonies

Analogous

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



49.2473, 49.7534, 18.9329



40.8873, 49.7534, 20.8130



34.9825, 49.7534, 30.1667

Triad

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



40.8873, 49.7534, 20.8130



37.9252, 49.7534, 103.0346



66.1260, 49.7534, 59.8959

Complementary

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



40.8873, 49.7534, 20.8130



22.6495, 18.0376, 53.9205

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.



62.1886, 49.7534, 88.3955



40.8873, 49.7534, 20.8130



45.3835, 49.7534, 117.8171

Square

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



40.8873, 49.7534, 20.8130



33.4260, 49.7534, 75.7683



54.3265, 49.7534, 111.7628



64.5363, 49.7534, 37.1285

Rectangle

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



40.8873, 49.7534, 20.8130



32.8805, 49.7534, 41.5193



54.3265, 49.7534, 111.7628



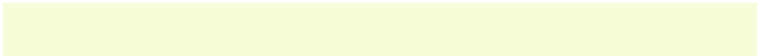
65.3906, 49.7534, 69.1672

Sweetspot

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



40.8885, 49.7556, 20.8140



85.6922, 94.6130, 79.4643



31.7737, 26.0564, 16.7200



18.5423, 20.6218, 16.5911



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.8885, 49.7556, 20.8140



70.3761, 87.8174, 29.0425



32.0583, 45.2035, 20.4008



10.7433, 11.6706, 10.7483



22.4941, 30.4250, 4.6870



1.0167, 1.3377, 0.2046

Inverse Universe

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



22.6495, 18.0376, 53.9205



33.8904, 24.2993, 95.3738



30.4206, 22.0438, 54.2841



9.6813, 9.8269, 12.6713



6.8485, 2.7909, 33.7344



0.3458, 0.1463, 1.4599

Previews

White Background



This preview shows how the XYZ color 40.8873, 49.7534, 20.8130 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 40.8873, 49.7534, 20.8130 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 40.8873, 49.7534, 20.8130

Background



This preview shows how black text looks on a background with the XYZ color 40.8873, 49.7534, 20.8130.



This preview shows how white text looks on a background with the XYZ color 40.8873, 49.7534,

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

40.8873, 49.7534, 20.8130

Protanopia

45.6222, 49.6218, 19.7438

Deuteranopia

50.3593, 49.2758, 21.3250



Tritanopia

48.9352, 49.4809, 61.0044

Trichromacy



Original Color

40.8873, 49.7534, 20.8130

Protanomaly

43.8876, 49.6765, 20.1074

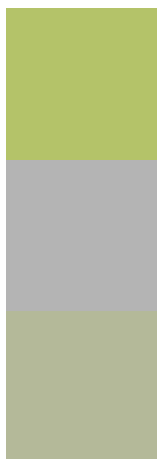
Deuteranomaly

46.4256, 49.0653, 21.2110

Tritanomaly

45.2683, 49.2478, 42.7172

Monochromacy



Original Color

40.8873, 49.7534, 20.8130

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

41.9211, 46.7011, 36.9417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8873, 49.7534, 20.8130 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(180, 195, 105)` looks like.

```
.text, #text, p{  
    color:rgb(180, 195, 105)  
}
```

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(180, 195, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 195, 105) }
```

Border

The CSS property to change the border of an element to XYZ 40.8873, 49.7534, 20.8130 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(180, 195, 105) }
```


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

```
.border{ border-color:rgb(180, 195, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 195, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 195, 105); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 195, 105); box-shadow:4px 4px 4px 4px rgb(180, 195, 105) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8873, 49.7534, 20.8130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 195, 105) }
```

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

```
.background{ background-color: rgb(180,  
195, 105) }
```

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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