

Converting Colors

XYZ(41.3577, 47.3891, 27.2174)

Have a look what the booklet for
XYZ(41.3577, 47.3891, 27.2174)
contains.

XYZ(41.1950, 47.1664, 27.3549)	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(41.1950, 47.1664,
27.3549)**

Conversions

Conversions Part 1

Format	Color
Hex	B7BB80
RGB	183, 187, 128
RGB Percent	72%, 73%, 50%
CMY	0.2824, 0.2666, 0.4980
CMYK	0.02, 0.00, 0.32, 0.27
HSL	64°, 30%, 62%
HSV	64°, 32%, 73%
XYZ	41.1950, 47.1664, 27.3549
YIQ	179.0780, 16.5550, -19.1970

Conversions

Conversions Part 2

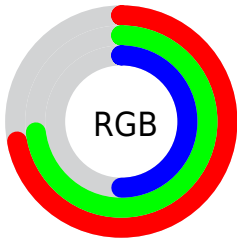
Format	Color
RYB	128, 187, 132
Decimal	12041088
CIELab	74.30, -10.82, 29.48
CIELCh	74, 31.406, 110.149
Yxy	47.1664, 0.3560, 0.4076
Android (android.graphics.Color)	4290231168 (0xFFB7BB80)
YUV	179.0780, -25.1815, 3.4396
Hunter-Lab	68.6778, -13.1165, 24.4588

Details

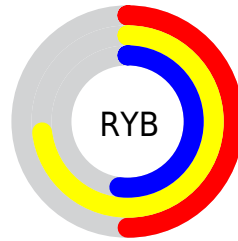
The XYZ color **41.1950, 47.1664, 27.3549** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **26.2063, 23.9330, 50.2547**, and the grayscale version is **43.0141, 45.2542, 49.2819**.

A 20% lighter version of the original color is **76.3263, 85.9626, 56.2857**, and **18.9535, 22.2674, 10.5068** is the 20% darker color. If you saturate the color by 10%, you get **39.7758, 46.5656, 21.4449**, and if you desaturate by 10%, it is **42.8462, 47.8636, 34.4618**.

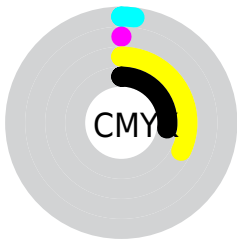
Distribution



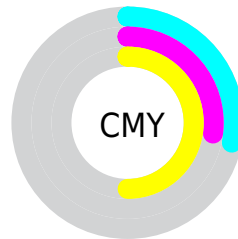
- Red (72%)
- Green (73%)
- Blue (50%)



- Red (50%)
- Yellow (73%)
- Blue (52%)



- Cyan (2%)
- Magenta (0%)
- Yellow (32%)
- Black (27%)



- Cyan (28%)
- Magenta (27%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.1950, 47.1664, 27.3549 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 41.1950, 47.1664, 27.3549 by changing the saturation by 10% instead.

■ 41.1950, 47.1664,
27.3549

■ 41.1950, 47.1664,
27.3549

342.1836,
375.4783, 303.1858

■ 28.6598, 33.1672,
17.6052

■ 76.2527, 85.9620,
56.4635

■ 18.9666, 22.2546,
10.5004

■ 99.5059, 111.5271,
76.6594

■ 11.7500, 14.0441,
5.6220

■ 127.0624,
141.7164, 101.1745

■ 6.6447, 8.1513,
2.5516

159.2878,
176.9142, 130.4272

■ 3.2852, 4.1919,
0.8673

196.5472,
217.5049, 164.8362

■ 1.3063, 1.7815,
0.0000

239.2061,

■ 0.1880, 0.4756,

263.8729, 204.8199

0.0000

287.6298,
316.4026, 250.7969

■ 0.0000, 0.0000,
0.0000

■ 41.1950, 47.1664,
27.3549

■ 41.1950, 47.1664,
27.3549

■ 39.7758, 46.5656,
21.4449

■ 42.8462, 47.8636,
34.4618

■ 38.5725, 46.0499,
16.6630

■ 44.7374, 48.6554,
42.8234

■ 37.5727, 45.6159,
12.9383


■ 46.8804, 49.5483,
52.4971


■ 36.7610, 45.2574,
10.1904


■ 49.2855, 50.5463,
63.5362


■ 36.1200, 44.9676,
8.3273


■ 51.9621, 51.6532,
75.9908


 35.6290, 44.7380,
7.2398

 54.9193, 52.8727,
89.9085

 35.2965, 44.5772,
6.7439

 57.5304, 53.9541,
101.9897

 57.8530, 54.1204,
102.0048

 58.1783, 54.2881,
102.0201

Harmonies

Analogous

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



46.7128, 47.1664, 26.4171



41.1950, 47.1664, 27.3549



37.0042, 47.1664, 33.9035

Triad

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



41.1950, 47.1664, 27.3549



38.2294, 47.1664, 79.1031



56.3952, 47.1664, 56.8595

Complementary

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



41.1950, 47.1664, 27.3549



26.2063, 23.9330, 50.2547

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.



53.6885, 47.1664, 73.9580



41.1950, 47.1664, 27.3549



42.9990, 47.1664, 88.4680

Square

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



41.1950, 47.1664, 27.3549



35.3943, 47.1664, 62.8232



48.6733, 47.1664, 86.4095



55.8098, 47.1664, 41.3770

Rectangle

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



41.1950, 47.1664, 27.3549



35.3778, 47.1664, 41.5084



48.6733, 47.1664, 86.4095



55.8321, 47.1664, 62.6501

Sweetspot

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



41.1962, 47.1685, 27.3559



81.0014, 87.5046, 80.6421



32.6336, 28.6090, 24.2248



17.7191, 19.2204, 17.2260



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.



41.1962, 47.1685, 27.3559



71.9400, 83.6947, 41.2996



34.9124, 43.9291, 27.0618



10.2566, 11.0867, 10.1760



24.3429, 30.7251, 4.6475



0.9729, 1.2135, 0.1830

Inverse Universe

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



26.2063, 23.9330, 50.2547



40.7983, 35.4130, 88.8865



31.4757, 26.6494, 50.5013



9.0749, 9.2555, 11.9804



6.3146, 2.5414, 32.5506



0.2681, 0.1102, 1.2760

Previews

White Background



This preview shows how the XYZ color 41.1950, 47.1664, 27.3549 looks on a white background.

Color Contrast Check

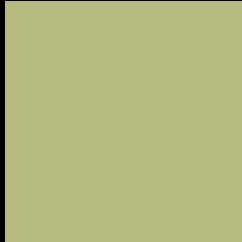
Large Text (above 18pt) WCAG AA × Fail

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 41.1950, 47.1664, 27.3549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

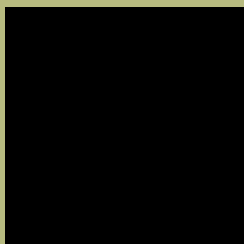
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

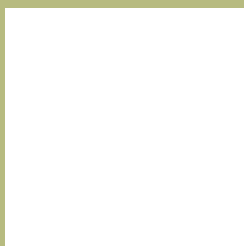
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.1950, 47.1664, 27.3549

Background



This preview shows how black text looks on a background with the XYZ color 41.1950, 47.1664, 27.3549.



This preview shows how white text looks on a background with the XYZ color 41.1950, 47.1664,

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

41.1950, 47.1664, 27.3549

Protanopia

43.5198, 46.8326, 26.4845

Deuteranopia

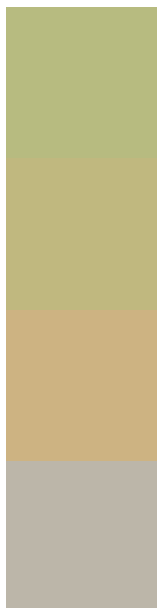
48.0420, 47.0504, 28.0223



Tritanopia

47.2316, 47.1668, 57.0668

Trichromacy



Original Color

41.1950, 47.1664, 27.3549

Protanomaly

42.7095, 47.0198, 26.9034

Deuteranomaly

45.3262, 46.8310, 27.7694

Tritanomaly

44.6284, 47.0118, 44.2581

Monochromacy



Original Color

41.1950, 47.1664, 27.3549

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.8955, 45.6973, 39.8700

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.1950, 47.1664, 27.3549 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(183, 187, 128)` looks like.

```
.text, #text, p{  
    color:rgb(183, 187, 128)  
}
```

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(183, 187, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 187, 128) }
```

Border

The CSS property to change the border of an element to XYZ 41.1950, 47.1664, 27.3549 is called "border". The border property can be set on classes, ids or directly on the HTML element.

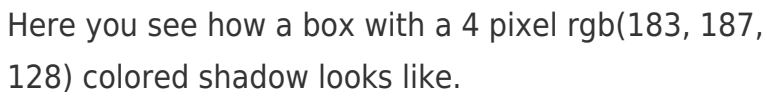
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 187, 128) }
```


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

```
.border{ border-color:rgb(183, 187, 128) }
```

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



Here you see how a box with a 4 pixel `rgb(183, 187, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 187, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 187, 128); box-shadow:4px 4px 4px 4px rgb(183, 187, 128) }
```

Background

The CSS property to change the background color of an element to XYZ 41.1950, 47.1664, 27.3549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 187, 128) }
```

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

```
.background{ background-color: rgb(183,  
187, 128) }
```

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