

Converting Colors

XYZ(47.9937, 51.0901, 19.0879)

Have a look what the booklet for
XYZ(47.9937, 51.0901, 19.0879)
contains.

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Color

**XYZ(47.9669, 51.1634,
19.1518)**

Conversions

Conversions Part 1

Format	Color
Hex	D6BC63
RGB	214, 188, 99
RGB Percent	84%, 74%, 39%
CMY	0.1608, 0.2627, 0.6118
CMYK	0.00, 0.12, 0.54, 0.16
HSL	46°, 58%, 61%
HSV	46°, 54%, 84%
XYZ	47.9669, 51.1634, 19.1518
YIQ	185.6280, 44.0650, -22.1670

Conversions

Conversions Part 2

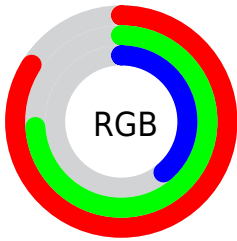
Format	Color
RYB	133, 214, 99
Decimal	14072931
CIELab	76.78, -1.82, 47.90
CIELCh	77, 47.938, 92.181
Yxy	51.1634, 0.4055, 0.4326
Android (android.graphics.Color)	4292263011 (0xFFD6BC63)
YUV	185.6280, -42.7076, 24.8822
Hunter-Lab	71.5286, -5.4734, 34.1951

Details

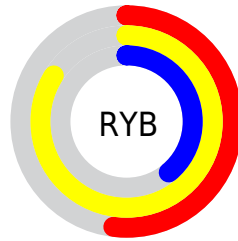
The XYZ color **47.9669, 51.1634, 19.1518** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **24.6166, 22.1742, 66.6007**, and the grayscale version is **46.6791, 49.1100, 53.4808**.

A 20% lighter version of the original color is **79.2582, 88.2284, 42.5582**, and **23.1021, 24.7094, 6.3481** is the 20% darker color. If you saturate the color by 10%, you get **46.0606, 48.7769, 14.1205**, and if you desaturate by 10%, it is **50.1814, 53.7324, 25.6242**.

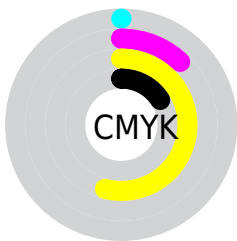
Distribution



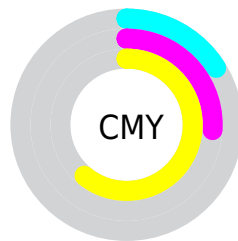
- Red (84%)
- Green (74%)
- Blue (39%)



- Red (52%)
- Yellow (84%)
- Blue (39%)



- Cyan (0%)
- Magenta (12%)
- Yellow (54%)
- Black (16%)



- Cyan (16%)
- Magenta (26%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9669, 51.1634, 19.1518 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 47.9669, 51.1634, 19.1518 by changing the saturation by 10% instead.

47.9669, 51.1634,
19.1518

47.9669, 51.1634,
19.1518

369.2457,
391.1983, 259.7361

34.0118, 36.3387,
11.6021

86.3651, 91.8963,
42.8306

23.0656, 24.6959,
6.3541

111.5390,
118.5732, 59.7967

14.7629, 15.8506,
2.9893

141.1831,
149.9696, 80.7387

8.7384, 9.4185,
1.0892

175.6629,
186.4699, 106.0752

4.6267, 5.0151,
0.0000

215.3437,
228.4586, 136.2246

2.0624, 2.2562,
0.0000

260.5908,

0.6687, 0.7504,

276.3199, 171.6055

0.0000

311.7697,
330.4384, 212.6365

■ 0.0000, 0.0000,
0.0000

■ 47.9669, 51.1634,
19.1518

■ 47.9669, 51.1634,
19.1518

■ 46.0606, 48.7769,
14.1205

■ 50.1814, 53.7324,
25.6242

■ 44.4366, 46.5563,
10.4116

■ 52.7202, 56.4852,
33.6376

■ 43.0703, 44.4931,
7.8928

■ 55.6026, 59.4320,
43.2865

■ 41.9309, 42.5745,
6.4022

■ 58.8453, 62.5798,
54.6569

■ 41.2999, 41.4331,
5.8206

■ 62.4638, 65.9354,
67.8287

■ 66.4726, 69.5052,
82.8769

■ 70.8854, 73.2950,
99.8723

■ 73.1696, 76.2924,
105.4772

■ 74.5090, 78.9713,
105.9237

Harmonies

Analogous

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



57.2558, 51.1634, 22.1157



47.9669, 51.1634, 19.1518



39.8973, 51.1634, 23.1611

Triad

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



47.9669, 51.1634, 19.1518



35.2788, 51.1634, 86.8665



65.7937, 51.1634, 82.5032

Complementary

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



47.9669, 51.1634, 19.1518



24.6166, 22.1742, 66.6007

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.



58.5505, 51.1634, 109.7592



47.9669, 51.1634, 19.1518



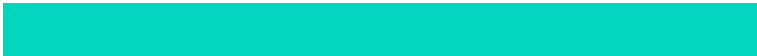
40.9159, 51.1634, 112.7815

Square

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



47.9669, 51.1634, 19.1518



33.1637, 51.1634, 57.6357



49.2977, 51.1634, 122.2399



68.2815, 51.1634, 53.8242

Rectangle

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



47.9669, 51.1634, 19.1518



36.0816, 51.1634, 30.2955



49.2977, 51.1634, 122.2399



63.7933, 51.1634, 92.4075

Sweetspot

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



47.9681, 51.1658, 19.1528



86.2913, 91.9015, 76.9431



35.9488, 24.7224, 22.5602



18.2516, 19.4603, 15.6987



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.



47.9681, 51.1658, 19.1528



68.2630, 72.2291, 20.4232



45.9067, 59.1021, 20.7933



13.2237, 14.0216, 13.1702



25.0445, 25.2063, 3.5453



1.5703, 1.6397, 0.2337

Inverse Universe

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



24.6166, 22.1742, 66.6007



30.2532, 25.1040, 97.8588



25.7548, 18.4989, 65.8313



11.9681, 12.4595, 15.7117



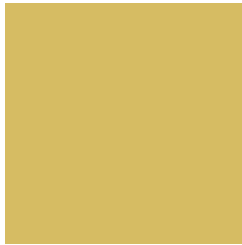
8.0495, 4.3607, 38.8706



0.5489, 0.3897, 2.3656

Previews

White Background



This preview shows how the XYZ color 47.9669, 51.1634, 19.1518 looks on a white background.

Color Contrast Check

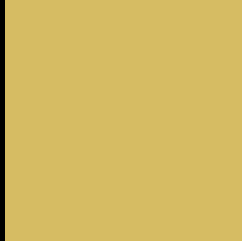
Large Text (above 18pt) WCAG AA × Fail

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 47.9669, 51.1634, 19.1518 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 47.9669, 51.1634, 19.1518

Background



This preview shows how black text looks on a background with the XYZ color 47.9669, 51.1634, 19.1518.



This preview shows how white text looks on a background with the XYZ color 47.9669, 51.1634,

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

47.9669, 51.1634, 19.1518

Protanopia

47.0082, 51.3023, 19.4813

Deuteranopia

52.1515, 51.1431, 19.4348



Tritanopia

55.7558, 51.2904, 56.2516

Trichromacy



Original Color

47.9669, 51.1634, 19.1518

Protanomaly

47.3618, 51.1642, 19.4360

Deuteranomaly

50.4921, 51.2086, 19.2796

Tritanomaly

52.4147, 51.1402, 39.4562

Monochromacy



Original Color

47.9669, 51.1634, 19.1518

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.3680, 49.6095, 37.7036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9669, 51.1634, 19.1518 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(214, 188, 99)` looks like.

```
.text, #text, p{  
    color:rgb(214, 188, 99)  
}
```

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(214, 188, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 188, 99) }
```

Border

The CSS property to change the border of an element to XYZ 47.9669, 51.1634, 19.1518 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(214, 188, 99) }
```


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

```
.border{ border-color:rgb(214, 188, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 188, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 188, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 188, 99);  
box-shadow:4px 4px 4px 4px rgb(214, 188,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9669, 51.1634, 19.1518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 188, 99) }
```

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

```
.background{ background-color: rgb(214,  
188, 99) }
```

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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