

Converting Colors

XYZ(47.9674, 51.6288, 19.6999)

Have a look what the booklet for
XYZ(47.9674, 51.6288, 19.6999)
contains.

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Color

**XYZ(47.9871, 51.4809,
19.7195)**

Conversions

Conversions Part 1

Format	Color
Hex	D5BD65
RGB	213, 189, 101
RGB Percent	84%, 74%, 40%
CMY	0.1647, 0.2588, 0.6039
CMYK	0.00, 0.11, 0.53, 0.16
HSL	47°, 57%, 62%
HSV	47°, 53%, 84%
XYZ	47.9871, 51.4809, 19.7195
YIQ	186.1440, 42.5520, -22.2800

Conversions

Conversions Part 2

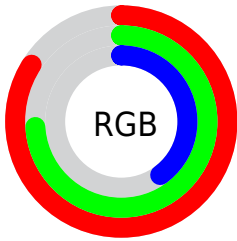
Format	Color
R_{YB}	132, 213, 101
Decimal	14007653
CIE Lab	76.97, -2.59, 47.14
CIE LCh	77, 47.208, 93.149
Yxy	51.4809, 0.4026, 0.4319
Android (android.graphics.Color)	4292197733 (0xFFD5BD65)
YUV	186.1440, -41.9760, 23.5527
Hunter-Lab	71.7502, -6.1806, 33.9301

Details

The XYZ color **47.9871, 51.4809, 19.7195** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **24.7104, 22.2372, 65.9403**, and the grayscale version is **46.9652, 49.4110, 53.8086**.

A 20% lighter version of the original color is **79.7251, 88.8979, 43.5289**, and **23.0902, 24.9065, 6.6081** is the 20% darker color. If you saturate the color by 10%, you get **46.1100, 49.1859, 14.5955**, and if you desaturate by 10%, it is **50.1680, 53.9507, 26.2801**.

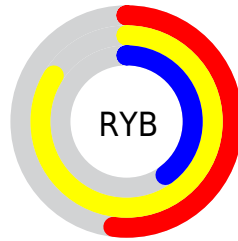
Distribution



Red (84%)

Green (74%)

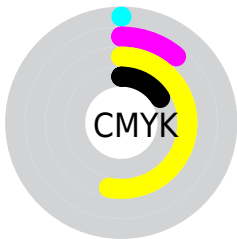
Blue (40%)



Red (52%)

Yellow (84%)

Blue (40%)

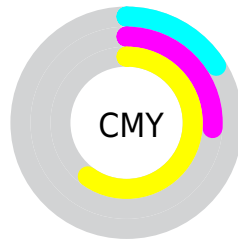


Cyan (0%)

Magenta (11%)

Yellow (53%)

Black (16%)



Cyan (16%)

Magenta (26%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9871, 51.4809, 19.7195 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 47.9871, 51.4809, 19.7195 by changing the saturation by 10% instead.

■ 47.9871, 51.4809,
19.7195

■ 47.9871, 51.4809,
19.7195

369.3244,
392.4293, 262.9464

■ 34.0279, 36.5915,
12.0093

■ 86.3950, 92.3652,
43.7992

■ 23.0780, 24.8913,
6.6274

■ 111.5744,
119.1289, 61.0057

■ 14.7721, 15.9961,
3.1553

■ 141.2246,
150.6195, 82.2147

■ 8.7449, 9.5214,
1.1745

■ 175.7109,
187.2213, 107.8448

■ 4.6309, 5.0828,
0.0000

215.3987,
229.3188, 138.3144

■ 2.0649, 2.2959,
0.0000

260.6533,

■ 0.6700, 0.7716,

277.2964, 174.0422

0.0000

311.8401,
331.5384, 215.4467

■ 0.0000, 0.0000,
0.0000

■ 47.9871, 51.4809,
19.7195

■ 47.9871, 51.4809,
19.7195

■ 46.1100, 49.1859,
14.5955

■ 50.1680, 53.9507,
26.2801

■ 44.5113, 47.0494,
10.7923

■ 52.6684, 56.5961,
34.3747

■ 43.1675, 45.0634,
8.1816

■ 55.5071, 59.4272,
44.0957

■ 42.0487, 43.2154,
6.6077

■ 58.7004, 62.4509,
55.5275

■ 41.3265, 41.9183,
5.9129

■ 62.2634, 65.6736,
68.7485

■ 66.2103, 69.1014,
83.8322

■ 70.5546, 72.7402,
100.8480

■ 72.5541, 75.4935,
105.3554

■ 73.8081, 78.0013,
105.7734

Harmonies

Analogous

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



57.1646, 51.4809, 22.4612



47.9871, 51.4809, 19.7195



40.0709, 51.4809, 23.9728

Triad

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



47.9871, 51.4809, 19.7195



35.8337, 51.4809, 87.7314



66.0380, 51.4809, 81.5305

Complementary

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



47.9871, 51.4809, 19.7195



24.7104, 22.2372, 65.9403

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.



59.0095, 51.4809, 108.5841



47.9871, 51.4809, 19.7195



41.5287, 51.4809, 112.8675

Square

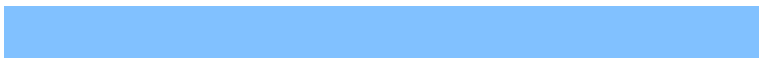
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



47.9871, 51.4809, 19.7195



33.6156, 51.4809, 58.8192



49.8873, 51.4809, 121.4722



68.3086, 51.4809, 53.3768

Rectangle

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



47.9871, 51.4809, 19.7195



36.3567, 51.4809, 31.2892



49.8873, 51.4809, 121.4722



64.1144, 51.4809, 91.3111

Sweetspot

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



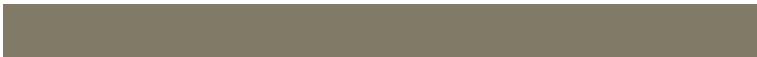
47.9883, 51.4833, 19.7205



86.4378, 92.1946, 76.9919



35.8132, 24.9414, 22.4187



18.2867, 19.5307, 15.7104



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.



47.9883, 51.4833, 19.7205



69.0226, 73.5674, 21.2342



45.2619, 58.3840, 21.1962



13.2366, 14.0473, 13.1745



25.3213, 25.7598, 3.6376



1.5848, 1.6688, 0.2386

Inverse Universe

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



24.7104, 22.2372, 65.9403



30.5217, 25.2575, 97.8743



26.2952, 19.0769, 65.2468



11.9561, 12.4357, 15.7077



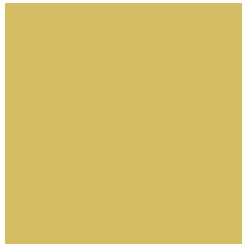
7.9857, 4.2331, 38.8493



0.5433, 0.3786, 2.3638

Previews

White Background



This preview shows how the XYZ color 47.9871, 51.4809, 19.7195 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 47.9871, 51.4809, 19.7195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

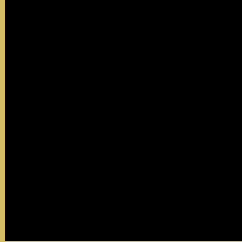
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.9871, 51.4809, 19.7195

Background



This preview shows how black text looks on a background with the XYZ color 47.9871, 51.4809, 19.7195.

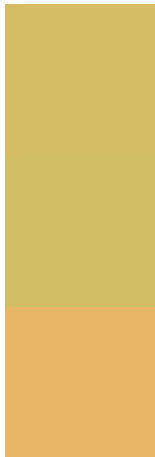


This preview shows how white text looks on a background with the XYZ color 47.9871, 51.4809,

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

47.9871, 51.4809, 19.7195

Protanopia

47.0569, 51.3218, 19.7379

Deuteranopia

52.5763, 51.3507, 19.9726



Tritanopia

55.7587, 51.5756, 56.8854

Trichromacy



Original Color

47.9871, 51.4809, 19.7195

Protanomaly

47.3408, 51.4681, 19.7511

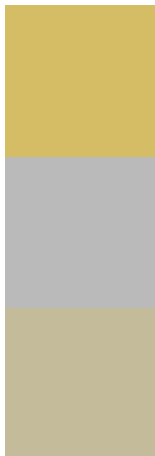
Deuteranomaly

50.9028, 51.4090, 19.8104

Tritanomaly

52.4049, 51.4302, 39.9659

Monochromacy



Original Color

47.9871, 51.4809, 19.7195

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.4517, 49.6430, 38.1441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9871, 51.4809, 19.7195 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(213, 189, 101)` looks like.

```
.text, #text, p{  
    color:rgb(213, 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(213, 189, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 189, 101) }
```

Border

The CSS property to change the border of an element to XYZ 47.9871, 51.4809, 19.7195 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(213, 189, 101) }
```


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

```
.border{ border-color:rgb(213, 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(213, 189, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 189, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 189, 101);  
box-shadow:4px 4px 4px 4px rgb(213, 189,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9871, 51.4809, 19.7195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 189, 101) }
```

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

```
.background{ background-color: rgb(213,  
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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