

Converting Colors

XYZ(47.1571, 52.9872, 36.1759)

Have a look what the booklet for
XYZ(47.1571, 52.9872, 36.1759)
contains.

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Color

**XYZ(47.1571, 52.9872,
36.1759)**

Conversions

Conversions Part 1

Format	Color
Hex	C1C495
RGB	193, 196, 149
RGB Percent	76%, 77%, 58%
CMY	0.2431, 0.2314, 0.4157
CMYK	0.02, 0.00, 0.24, 0.23
HSL	64°, 28%, 68%
HSV	64°, 24%, 77%
XYZ	47.1571, 52.9872, 36.1759
YIQ	189.7450, 13.2990, -15.2530

Conversions

Conversions Part 2

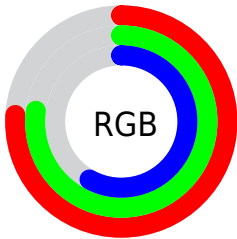
Format	Color
R_{YB}	149, 196, 152
Decimal	12698773
CIE _{Lab}	77.87, -8.77, 23.32
CIE _{LCh}	78, 24.915, 110.618
Yxy	52.9872, 0.3459, 0.3887
Android (android.graphics.Color)	4290888853 (0xFFC1C495)
YUV	189.7450, -20.0873, 2.8546
Hunter-Lab	72.7923, -11.7487, 21.4890

Details

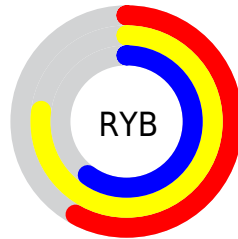
The XYZ color **47.1571, 52.9872, 36.1759** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.6621, 32.1572, 56.6602**, and the grayscale version is **48.9045, 51.4513, 56.0305**.

A 20% lighter version of the original color is **85.3291, 94.8863, 70.3175**, and **22.5251, 25.7168, 15.3319** is the 20% darker color. If you saturate the color by 10%, you get **45.4047, 52.2513, 28.6015**, and if you desaturate by 10%, it is **49.1784, 53.8346, 45.1398**.

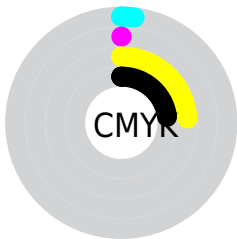
Distribution



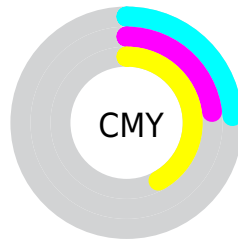
- Red (76%)
- Green (77%)
- Blue (58%)



- Red (58%)
- Yellow (77%)
- Blue (60%)



- Cyan (2%)
- Magenta (0%)
- Yellow (24%)
- Black (23%)



- Cyan (24%)
- Magenta (23%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1571, 52.9872, 36.1759 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 47.1571, 52.9872, 36.1759 by changing the saturation by 10% instead.

■ 47.1571, 52.9872,
36.1759

■ 47.1571, 52.9872,
36.1759

366.0797,
398.2360, 344.7894

■ 33.3683, 37.7926,
24.2793

■ 85.1654, 94.5855,
70.4756

■ 22.5693, 25.8217,
15.3268

■ 110.1156,
121.7580, 93.7157

■ 14.3948, 16.6903,
8.8999

139.5171,
153.6919, 121.5742

■ 8.4793, 10.0139,
4.5800

173.7351,
190.7715, 154.4694

■ 4.4575, 5.4082,
1.9486

213.1350,
233.3814, 192.8200

■ 1.9641, 2.4887,
0.5234

258.0821,

■ 0.6137, 0.8710,

281.9058, 237.0445

0.0000

308.9419,
336.7292, 287.5614

■ 0.0000, 0.0000,
0.0000

■ 47.1571, 52.9872,
36.1759

■ 47.1571, 52.9872,
36.1759

■ 45.4047, 52.2513,
28.6015

■ 49.1784, 53.8346,
45.1398

■ 43.9038, 51.6145,
22.3437

■ 51.4767, 54.7913,
55.5543

■ 42.6415, 51.0735,
17.3284

■ 54.0649, 55.8642,
67.4810

■ 41.6021, 50.6219,
13.4725

■ 56.9537, 57.0577,
80.9770

■ 40.7678, 50.2527,
10.6830

■ 60.1536, 58.3760,
96.0964

■ 40.1183, 49.9577,
8.8524

■ 61.7488, 59.0527,
102.7515

■ 39.6288, 49.7271,
7.8510

■ 62.0859, 59.2265,
102.7673

■ 39.3832, 49.6080,
7.4996

■ 62.4258, 59.4017,
102.7832

■ 62.7684, 59.5783,
102.7993

Harmonies

Analogous

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



51.8948, 52.9872, 35.1958



47.1571, 52.9872, 36.1759



43.5084, 52.9872, 42.3853

Triad

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



47.1571, 52.9872, 36.1759



44.6872, 52.9872, 80.8370



60.1111, 52.9872, 62.1478

Complementary

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



47.1571, 52.9872, 36.1759



33.6621, 32.1572, 56.6602

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.



57.9017, 52.9872, 76.3056



47.1571, 52.9872, 36.1759



48.8612, 52.9872, 88.1783

Square

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



47.1571, 52.9872, 36.1759



42.1470, 52.9872, 67.5946



53.7105, 52.9872, 86.3990



59.5822, 52.9872, 48.8108

Rectangle

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



47.1571, 52.9872, 36.1759



42.0861, 52.9872, 49.2953



53.7105, 52.9872, 86.3990



59.6590, 52.9872, 66.9964

Sweetspot

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



47.1585, 52.9896, 36.1770



91.8895, 98.6875, 94.4412



39.3145, 36.1531, 33.3407



19.6125, 21.1000, 19.9613



0.0000, 0.0000, 0.0000



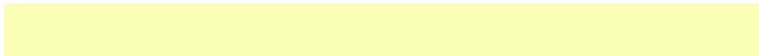
20.3446, 21.4041, 23.3091

Same Dimension

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



47.1585, 52.9896, 36.1770



83.6281, 95.2328, 57.7171



41.7767, 50.2151, 35.9252



10.8478, 11.7245, 10.7532



25.3319, 31.8879, 4.8199



1.1140, 1.3879, 0.2092

Inverse Universe

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



33.6621, 32.1572, 56.6602



54.7795, 50.6992, 101.5065



38.3584, 34.5782, 56.8800



9.5866, 9.7780, 12.6669



6.5307, 2.6271, 33.7195



0.3031, 0.1243, 1.4579

Previews

White Background



This preview shows how the XYZ color 47.1571, 52.9872, 36.1759 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 47.1571, 52.9872, 36.1759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

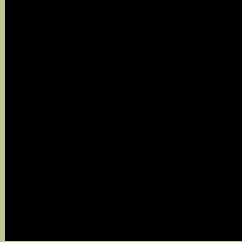
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

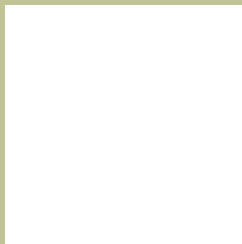
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.1571, 52.9872, 36.1759

Background



This preview shows how black text looks on a background with the XYZ color 47.1571, 52.9872, 36.1759.



This preview shows how white text looks on a background with the XYZ color 47.1571, 52.9872,

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

47.1571, 52.9872, 36.1759

Protanopia

49.5697, 52.9277, 35.2072

Deuteranopia

53.9862, 52.9398, 36.6512



Tritanopia

52.9161, 53.0342, 64.5744

Trichromacy



Original Color

47.1571, 52.9872, 36.1759

Protanomaly

48.5027, 52.6956, 35.6319

Deuteranomaly

51.1432, 52.7433, 36.3391

Tritanomaly

50.5273, 53.0303, 52.9202

Monochromacy



Original Color

47.1571, 52.9872, 36.1759

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.0734, 51.8708, 48.0358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1571, 52.9872, 36.1759 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(193, 196, 149)` looks like.

```
.text, #text, p{  
    color:rgb(193, 196, 149)  
}
```

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(193, 196, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 196, 149) }
```

Border

The CSS property to change the border of an element to XYZ 47.1571, 52.9872, 36.1759 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(193, 196, 149) }
```


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

```
.border{ border-color:rgb(193, 196, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 196, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 196, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 196, 149);  
box-shadow:4px 4px 4px 4px rgb(193, 196,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1571, 52.9872, 36.1759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 196, 149) }
```

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

```
.background{ background-color: rgb(193,  
196, 149) }
```

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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