

Converting Colors

XYZ(42.6968, 51.5317, 36.3543)

Have a look what the booklet for
XYZ(42.6968, 51.5317, 36.3543)
contains.

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Color

**XYZ(42.9417, 51.8195,
36.5931)**

Conversions

Conversions Part 1

Format	Color
Hex	ACC796
RGB	172, 199, 150
RGB Percent	67%, 78%, 59%
CMY	0.3255, 0.2196, 0.4118
CMYK	0.14, 0.00, 0.25, 0.22
HSL	93°, 30%, 68%
HSV	93°, 25%, 78%
XYZ	42.9417, 51.8195, 36.5931
YIQ	185.3410, -0.3630, -20.9630

Conversions

Conversions Part 2

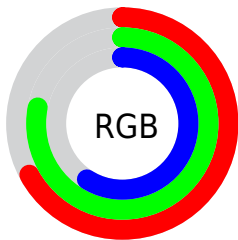
Format	Color
RYB	150, 199, 177
Decimal	11323286
CIELab	77.17, -17.94, 21.59
CIELCh	77, 28.074, 129.729
Yxy	51.8195, 0.3269, 0.3945
Android (android.graphics.Color)	4289513366 (0xFFACC796)
YUV	185.3410, -17.4231, -11.7001
Hunter-Lab	71.9858, -19.4944, 20.2507

Details

The XYZ color **42.9417, 51.8195, 36.5931** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **39.3488, 35.2848, 58.7724**, and the grayscale version is **46.3993, 48.8157, 53.1603**.

A 20% lighter version of the original color is **78.6540, 92.3736, 70.8111**, and **19.9853, 25.0736, 15.5907** is the 20% darker color. If you saturate the color by 10%, you get **39.1654, 50.0440, 28.7500**, and if you desaturate by 10%, it is **47.1916, 53.8108, 45.8811**.

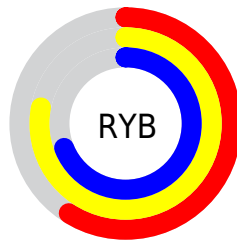
Distribution



Red (67%)

Green (78%)

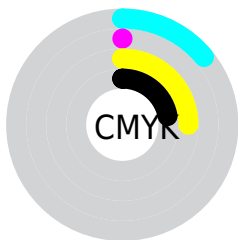
Blue (59%)



Red (59%)

Yellow (78%)

Blue (69%)

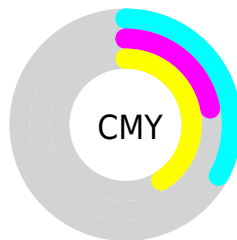


Cyan (14%)

Magenta (0%)

Yellow (25%)

Black (22%)



Cyan (33%)


Magenta (22%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9417, 51.8195, 36.5931 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 42.9417, 51.8195, 36.5931 by changing the saturation by 10% instead.

 42.9417, 51.8195,
36.5931


 42.9417, 51.8195,
36.5931


349.2975,
393.7394, 346.6610

 30.0337, 36.8612,
24.5993


 78.8791, 92.8650,
71.1258

 20.0124, 25.1001,
15.5625


 102.6393,
119.7210, 94.5019

 12.5123, 16.1516,
9.0641


130.7475,
151.3117, 122.5090

 7.1683, 9.6315,
4.6856

163.5692,
188.0215, 155.5659

 3.6148, 5.1553,
2.0085

201.4697,
230.2347, 194.0910

 1.4866, 2.3387,
0.5605

244.8143,

 0.3167, 0.7941,

278.3359, 238.5028

0.0000

293.9685,
332.7093, 289.2200

■ 0.0000, 0.0000,
0.0000

■ 42.9417, 51.8195,
36.5931

■ 42.9417, 51.8195,
36.5931

■ 39.1654, 50.0440,
28.7500

■ 47.1916, 53.8108,
45.8811

■ 35.8400, 48.4696,
22.2759

■ 51.9283, 56.0186,
56.6780

■ 32.9471, 47.0899,
17.0928

■ 57.1697, 58.4523,
69.0484

■ 30.4650, 45.8958,
13.1139

■ 62.9314, 61.1185,
83.0517

■ 28.3697, 44.8771,
10.2413

■ 69.2281, 64.0238,
98.7445

■ 26.6344, 44.0223,
8.3622

■ 73.6672, 66.2115,
103.5052

■ 25.2269, 43.3179,
7.3391

■ 77.4582, 68.1658,
103.6826

■ 24.5769, 42.9896,
7.0025

■ 79.7145, 69.3289,
103.7882

Harmonies

Analogous

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



47.5280, 51.8195, 32.0005



42.9417, 51.8195, 36.5931



40.1852, 51.8195, 46.7818

Triad

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



42.9417, 51.8195, 36.5931



45.7603, 51.8195, 88.9693



60.1507, 51.8195, 51.5701

Complementary

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



42.9417, 51.8195, 36.5931



39.3488, 35.2848, 58.7724

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.



59.5913, 51.8195, 67.3045



42.9417, 51.8195, 36.5931



51.0190, 51.8195, 90.8887

Square

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



42.9417, 51.8195, 36.5931



41.7286, 51.8195, 77.5200



56.1540, 51.8195, 82.3676



57.6313, 51.8195, 39.5489

Rectangle

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



42.9417, 51.8195, 36.5931



39.6293, 51.8195, 56.2827



56.1540, 51.8195, 82.3676



60.3205, 51.8195, 56.5628

Sweetspot

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



42.9431, 51.8217, 36.5942



88.7812, 97.0851, 94.2957



44.7725, 45.7707, 35.3298



18.8916, 20.7284, 19.9275



0.0000, 0.0000, 0.0000



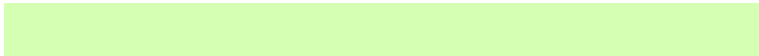
20.3446, 21.4041, 23.3091

Same Dimension

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



42.9431, 51.8217, 36.5942



71.2413, 88.8772, 55.7834



38.7071, 49.6150, 37.4368



10.9420, 12.1170, 11.3249



15.9005, 27.6923, 4.5071



0.8360, 1.3541, 0.2173

Inverse Universe

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



39.3488, 35.2848, 58.7724



63.7845, 54.5785, 101.7806



44.4881, 37.9669, 57.5396



10.6061, 10.5707, 13.3988



10.8389, 4.8219, 35.1038



0.5958, 0.2709, 1.6660

Previews

White Background



This preview shows how the XYZ color 42.9417, 51.8195, 36.5931 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 42.9417, 51.8195, 36.5931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

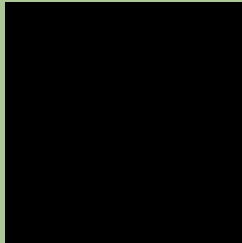
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.9417, 51.8195, 36.5931

Background



This preview shows how black text looks on a background with the XYZ color 42.9417, 51.8195, 36.5931.



This preview shows how white text looks on a background with the XYZ color 42.9417, 51.8195,

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

42.9417, 51.8195, 36.5931

Protanopia

48.2304, 51.5987, 34.6117

Deuteranopia

52.5020, 51.5390, 37.3179



Tritanopia

48.9493, 51.5904, 66.4095

Trichromacy



Original Color

42.9417, 51.8195, 36.5931

Protanomaly

46.0747, 51.4530, 35.1068

Deuteranomaly

48.4937, 51.3587, 37.0631

Tritanomaly

46.5148, 51.5937, 53.9614

Monochromacy



Original Color

42.9417, 51.8195, 36.5931

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

44.6822, 49.5088, 46.2309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9417, 51.8195, 36.5931 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(172, 199, 150)` looks like.

```
.text, #text, p{  
    color:rgb(172, 199, 150)  
}
```

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(172, 199, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 199, 150) }
```

Border

The CSS property to change the border of an element to XYZ 42.9417, 51.8195, 36.5931 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(172, 199, 150) }
```


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

```
.border{ border-color:rgb(172, 199, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 199, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 199, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 199, 150);  
box-shadow:4px 4px 4px 4px rgb(172, 199,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9417, 51.8195, 36.5931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 199, 150) }
```

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

```
.background{ background-color: rgb(172,  
199, 150) }
```

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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