

Converting Colors

XYZ(42.9298, 46.4417, 49.2993)

Have a look what the booklet for
XYZ(42.9298, 46.4417, 49.2993)
contains.

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Color

**XYZ(42.9747, 46.3518,
49.3296)**

Conversions

Conversions Part 1

Format	Color
Hex	B0B7B3
RGB	176, 183, 179
RGB Percent	69%, 72%, 70%
CMY	0.3098, 0.2823, 0.2980
CMYK	0.04, 0.00, 0.02, 0.28
HSL	146°, 5%, 70%
HSV	146°, 4%, 72%
XYZ	42.9747, 46.3518, 49.3296
YIQ	180.4510, -2.8880, -2.7280

Conversions

Conversions Part 2

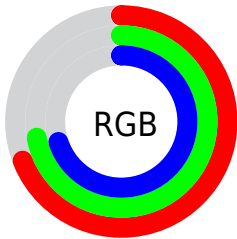
Format	Color
RYB	176, 181, 183
Decimal	11581363
CIELab	73.77, -3.19, 1.17
CIELCh	74, 3.401, 159.808
Yxy	46.3518, 0.3099, 0.3343
Android (android.graphics.Color)	4289771443 (0xFFB0B7B3)
YUV	180.4510, -0.7153, -3.9035
Hunter-Lab	68.0822, -6.4713, 4.6984

Details

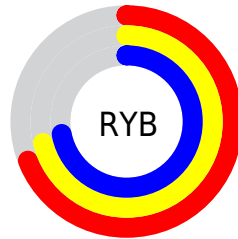
The XYZ color **42.9747, 46.3518, 49.3296** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.2938, 44.4145, 49.4734**, and the grayscale version is **43.6308, 45.9030, 49.9884**.

A 20% lighter version of the original color is **79.1406, 84.8870, 90.8109**, and **20.0607, 21.7567, 22.8808** is the 20% darker color. If you saturate the color by 10%, you get **38.0945, 43.9549, 43.7867**, and if you desaturate by 10%, it is **48.4956, 49.0723, 55.3235**.

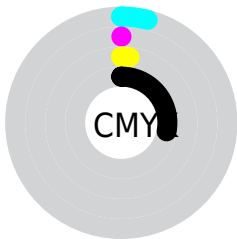
Distribution



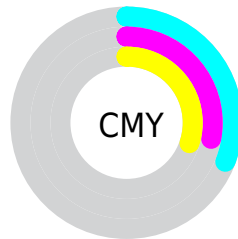
- Red (69%)
- Green (72%)
- Blue (70%)



- Red (69%)
- Yellow (71%)
- Blue (72%)



- Cyan (4%)
- Magenta (0%)
- Yellow (2%)
- Black (28%)



- Cyan (31%)
- Magenta (28%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9747, 46.3518, 49.3296 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 42.9747, 46.3518, 49.3296 by changing the saturation by 10% instead.

■ 42.9747, 46.3518,
49.3296

■ 42.9747, 46.3518,
49.3296

349.4310,
372.2212, 400.6981

■ 30.0597, 32.5235,
34.5136

■ 78.9286, 84.7453,
90.5668

■ 20.0322, 21.7617,
23.0079

102.6983,
110.0792, 117.8251

■ 12.5269, 13.6819,
14.3940

130.8168,
140.0172, 150.0679

■ 7.1783, 7.8998,
8.2533

163.6497,
174.9436, 187.7137

■ 3.6212, 4.0309,
4.1674

201.5622,
215.2428, 231.1811

■ 1.4901, 1.6908,
1.7176

244.9196,

■ 0.3191, 0.4177,

261.2992, 280.8886

0.3728

294.0875,
313.4972, 337.2548

■ 0.0000, 0.0000,
0.0000

■ 42.9747, 46.3518,
49.3296

■ 42.9747, 46.3518,
49.3296

■ 38.0945, 43.9549,
43.7867

■ 48.4956, 49.0723,
55.3235

■ 33.8273, 41.8637,
38.6813

■ 54.6761, 52.1220,
61.7753

■ 30.1487, 40.0670,
34.0037

■ 61.5387, 55.5138,
68.6957

■ 27.0316, 38.5512,
29.7427

■ 69.1042, 59.2581,
76.0941

■ 24.4464, 37.3011,
25.8866

■ 72.6414, 60.9156,
83.7572

■ 22.3607, 36.3004,
22.4232

■ 74.1664, 61.5256,
91.7874

■ 20.7384, 35.5306,
19.3395

■ 75.7812, 62.1715,
100.2909

■ 19.5380, 34.9707,
16.6218

■ 76.2244, 62.3488,
102.6248

■ 18.7102, 34.5955,
14.2553

Harmonies

Analogous

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



43.3165, 46.3518, 47.9564



42.9747, 46.3518, 49.3296



42.9212, 46.3518, 51.0381

Triad

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



42.9747, 46.3518, 49.3296



44.2542, 46.3518, 53.8190



44.9544, 46.3518, 48.3691

Complementary

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



42.9747, 46.3518, 49.3296



43.2938, 44.4145, 49.4734

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.



45.2106, 46.3518, 49.9046



42.9747, 46.3518, 49.3296



44.8039, 46.3518, 53.0683

Square

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



42.9747, 46.3518, 49.3296



43.6563, 46.3518, 53.6565



45.1553, 46.3518, 51.6263



44.4582, 46.3518, 47.4107

Rectangle

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



42.9747, 46.3518, 49.3296



43.0557, 46.3518, 52.1412



45.1553, 46.3518, 51.6263



45.0717, 46.3518, 48.8334

Sweetspot

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



42.9760, 46.3538, 49.3306



79.6260, 84.3239, 91.2798



43.6135, 46.7171, 47.7936



17.5981, 18.6301, 20.1732



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



42.9760, 46.3538, 49.3306



75.8055, 82.4440, 87.0550



43.3263, 46.4939, 51.1750



9.4631, 10.3274, 10.8693



12.8153, 24.0271, 9.2151



0.4829, 0.8595, 0.4888

Inverse Universe

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



43.2938, 44.4145, 49.4734



76.5550, 77.8693, 87.3918



42.9496, 44.2768, 47.6610



9.5666, 9.6960, 10.9158



15.4230, 7.7430, 10.1143



0.5740, 0.2851, 0.5163

Previews

White Background



This preview shows how the XYZ color 42.9747, 46.3518, 49.3296 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 42.9747, 46.3518, 49.3296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

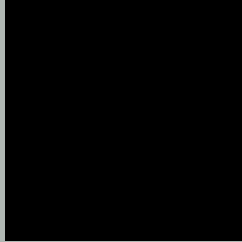
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

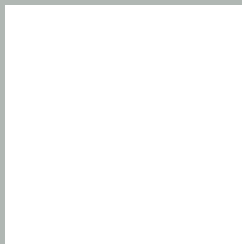
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.9747, 46.3518, 49.3296

Background



This preview shows how black text looks on a background with the XYZ color 42.9747, 46.3518, 49.3296.



This preview shows how white text looks on a background with the XYZ color 42.9747, 46.3518,

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

42.9747, 46.3518, 49.3296

Protanopia

44.2647, 46.1311, 48.1662

Deuteranopia

47.2236, 46.1383, 50.1327



Tritanopia

44.9646, 46.5716, 58.2491

Trichromacy



Original Color

42.9747, 46.3518, 49.3296

Protanomaly

43.8512, 46.2072, 48.7272

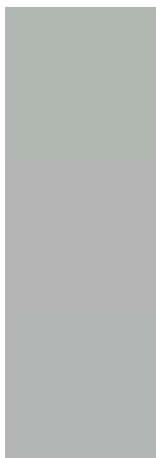
Deuteranomaly

45.6445, 46.2124, 49.6942

Tritanomaly

44.2734, 46.5950, 54.8044

Monochromacy



Original Color

42.9747, 46.3518, 49.3296

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

43.3525, 45.9267, 49.7598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9747, 46.3518, 49.3296 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(176, 183, 179)` looks like.

```
.text, #text, p{  
    color:rgb(176, 183, 179)  
}
```

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(176, 183, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 183, 179) }
```

Border

The CSS property to change the border of an element to XYZ 42.9747, 46.3518, 49.3296 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(176, 183, 179) }
```


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

```
.border{ border-color:rgb(176, 183, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 183, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 183, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 183, 179);  
box-shadow:4px 4px 4px 4px rgb(176, 183,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9747, 46.3518, 49.3296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 183, 179) }
```

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

```
.background{ background-color: rgb(176,  
183, 179) }
```

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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