

Converting Colors

XYZ(42.3487, 50.3400, 43.5610)

Have a look what the booklet for
XYZ(42.3487, 50.3400, 43.5610)
contains.

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Color

**XYZ(42.3487, 50.3400,
43.5610)**

Conversions

Conversions Part 1

Format	Color
Hex	A6C4A6
RGB	166, 196, 166
RGB Percent	65%, 77%, 65%
CMY	0.3490, 0.2314, 0.3490
CMYK	0.15, 0.00, 0.15, 0.23
HSL	120°, 20%, 71%
HSV	120°, 15%, 77%
XYZ	42.3487, 50.3400, 43.5610
YIQ	183.6100, -8.2500, -15.6900

Conversions

Conversions Part 2

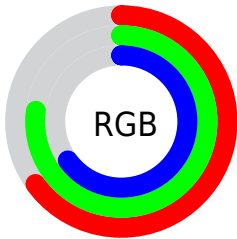
Format	Color
RYB	166, 196, 196
Decimal	10929318
CIELab	76.28, -15.86, 11.73
CIELCh	76, 19.725, 143.513
Yxy	50.3400, 0.3108, 0.3695
Android (android.graphics.Color)	4289119398 (0xFFA6C4A6)
YUV	183.6100, -8.6817, -15.4440
Hunter-Lab	70.9507, -17.6215, 13.2637

Details

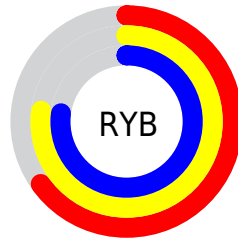
The XYZ color **42.3487, 50.3400, 43.5610** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.3667, 42.9948, 58.0817**, and the grayscale version is **45.3956, 47.7597, 52.0103**.

A 20% lighter version of the original color is **77.9952, 90.8432, 81.8303**, and **19.6497, 24.1383, 19.5431** is the 20% darker color. If you saturate the color by 10%, you get **36.8859, 47.7174, 34.6246**, and if you desaturate by 10%, it is **48.7145, 53.3993, 53.9722**.

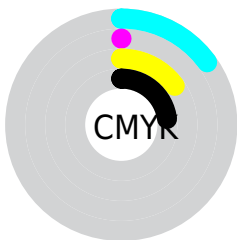
Distribution



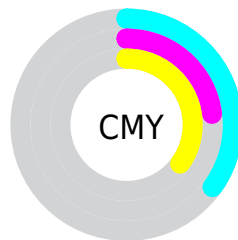
- Red (65%)
- Green (77%)
- Blue (65%)



- Red (65%)
- Yellow (77%)
- Blue (77%)



- Cyan (15%)
- Magenta (0%)
- Yellow (15%)
- Black (23%)





- Cyan (35%)
- Magenta (23%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3487, 50.3400, 43.5610 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 42.3487, 50.3400, 43.5610 by changing the saturation by 10% instead.


 42.3487, 50.3400,
43.5610


 42.3487, 50.3400,
43.5610


346.8935,
387.9941, 376.9026

 29.5667, 35.6836,
29.9909


 77.9890, 90.6784,
81.8522

 19.6564, 24.1900,
19.5797


 101.5779,
117.1293, 107.4103

 12.2523, 15.4746,
11.9088


129.5000,
148.2804, 137.8015

 6.9892, 9.1531,
6.5598

162.1205,
184.5162, 173.4443

 3.5016, 4.8412,
3.1142

199.8047,
226.2211, 214.7573

 1.4242, 2.1544,
1.1532

242.9180,

 0.2734, 0.6950,

273.7794, 262.1590

0.0000

291.8258,
327.5756, 316.0679

■ 0.0000, 0.0000,
0.0000

■ 42.3487, 50.3400,
43.5610

■ 42.3487, 50.3400,
43.5610

■ 36.8859, 47.7174,
34.6246

■ 48.7145, 53.3993,
53.9722

■ 32.2814, 45.5057,
27.0931

■ 56.0172, 56.9072,
65.9170

■ 28.4928, 43.6858,
20.8962

■ 64.2941, 60.8830,
79.4551

■ 25.4726, 42.2350,
15.9559

■ 73.5792, 65.3431,
94.6422

■ 23.1682, 41.1281,
12.1866

■ 79.0309, 67.9618,
103.5603

■ 21.5205, 40.3367,
9.4915

■ 20.4612, 39.8278,
7.7587

■ 19.9065, 39.5613,
6.8512

■ 19.7409, 39.4818,
6.5805

Harmonies

Analogous

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



45.0625, 50.3400, 38.1627



42.3487, 50.3400, 43.5610



41.1167, 50.3400, 52.5408

Triad

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



42.3487, 50.3400, 43.5610



47.0470, 50.3400, 77.6652



54.6752, 50.3400, 47.0739

Complementary

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



42.3487, 50.3400, 43.5610



46.3667, 42.9948, 58.0817

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.



55.2736, 50.3400, 57.1472



42.3487, 50.3400, 43.5610



50.7432, 50.3400, 75.7110

Square

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



42.3487, 50.3400, 43.5610



43.7375, 50.3400, 72.8903



53.8010, 50.3400, 67.8498



52.2055, 50.3400, 40.0006

Rectangle

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



42.3487, 50.3400, 43.5610



41.2538, 50.3400, 59.7148



53.8010, 50.3400, 67.8498



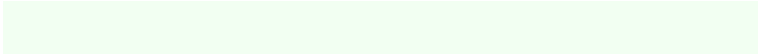
55.1070, 50.3400, 50.1846

Sweetspot

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



42.3501, 50.3421, 43.5621



88.5285, 96.8674, 98.2330



49.3900, 53.9714, 43.8912



18.7601, 20.6430, 20.7174



0.0000, 0.0000, 0.0000



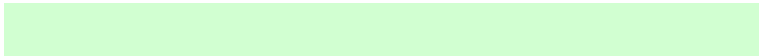
20.3446, 21.4041, 23.3091

Same Dimension

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



42.3501, 50.3421, 43.5621



73.6040, 89.6984, 73.8215



43.8077, 50.9252, 51.2381



9.9445, 11.2588, 10.7110



12.6838, 25.3676, 4.2281



0.5480, 1.0961, 0.1827

Inverse Universe

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



46.3667, 42.9948, 58.0817



82.1148, 74.1299, 104.5873



44.7432, 42.3454, 49.5327



10.4973, 10.2475, 12.7095



21.0293, 10.1015, 34.3961



0.9086, 0.4365, 1.4862

Previews

White Background



This preview shows how the XYZ color 42.3487, 50.3400, 43.5610 looks on a white background.

Color Contrast Check

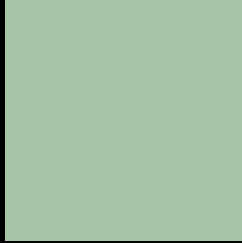
Large Text (above 18pt) WCAG AA × Fail

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 42.3487, 50.3400, 43.5610 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 42.3487, 50.3400, 43.5610

Background



This preview shows how black text looks on a background with the XYZ color 42.3487, 50.3400, 43.5610.



This preview shows how white text looks on a background with the XYZ color 42.3487, 50.3400,

43.5610.

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

42.3487, 50.3400, 43.5610

Protanopia

47.3179, 50.0196, 41.3432

Deuteranopia

51.1259, 50.0585, 44.5037



Tritanopia

46.7876, 50.1674, 65.6098

Trichromacy



Original Color

42.3487, 50.3400, 43.5610

Protanomaly

45.2740, 49.9104, 41.8978

Deuteranomaly

47.3917, 49.6807, 44.1373

Tritanomaly

44.8312, 50.0069, 56.5797

Monochromacy



Original Color

42.3487, 50.3400, 43.5610

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

44.0505, 48.4879, 48.6324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3487, 50.3400, 43.5610 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(166, 196, 166)` looks like.

```
.text, #text, p{  
    color:rgb(166, 196, 166)  
}
```

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(166, 196, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 196, 166) }
```

Border

The CSS property to change the border of an element to XYZ 42.3487, 50.3400, 43.5610 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(166, 196, 166) }
```


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

```
.border{ border-color:rgb(166, 196, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 196, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 196, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 196, 166);  
box-shadow:4px 4px 4px 4px rgb(166, 196,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3487, 50.3400, 43.5610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 196, 166) }
```

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

```
.background{ background-color: rgb(166,  
196, 166) }
```

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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