

Converting Colors

XYZ(42.4395, 50.6789, 45.1459)

Have a look what the booklet for
XYZ(42.4395, 50.6789, 45.1459)
contains.

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Color

**XYZ(42.4375, 50.6896,
45.0835)**

Conversions

Conversions Part 1

Format	Color
Hex	A4C5A9
RGB	164, 197, 169
RGB Percent	64%, 77%, 66%
CMY	0.3569, 0.2274, 0.3372
CMYK	0.17, 0.00, 0.14, 0.23
HSL	129°, 22%, 71%
HSV	129°, 17%, 77%
XYZ	42.4375, 50.6896, 45.0835
YIQ	183.9410, -10.6800, -15.7040

Conversions

Conversions Part 2

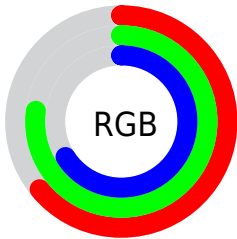
Format	Color
RYB	164, 193, 197
Decimal	10798505
CIELab	76.49, -16.51, 10.40
CIELCh	76, 19.513, 147.795
Yxy	50.6896, 0.3070, 0.3668
Android (android.graphics.Color)	4288988585 (0xFFA4C5A9)
YUV	183.9410, -7.3659, -17.4883
Hunter-Lab	71.1966, -18.1973, 12.2937

Details

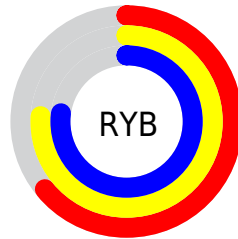
The XYZ color **42.4375, 50.6896, 45.0835** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.8176, 42.2281, 55.6074**, and the grayscale version is **45.5721, 47.9454, 52.2126**.

A 20% lighter version of the original color is **78.1098, 91.3255, 84.0318**, and **19.7154, 24.3740, 20.4952** is the 20% darker color. If you saturate the color by 10%, you get **37.2124, 48.1673, 37.1647**, and if you desaturate by 10%, it is **48.4958, 53.6212, 54.0907**.

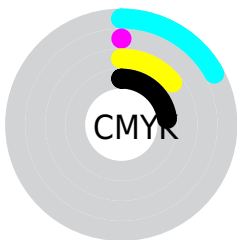
Distribution



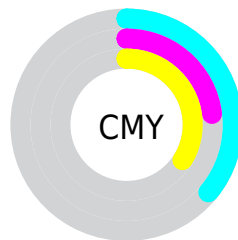
- Red (64%)
- Green (77%)
- Blue (66%)



- Red (64%)
- Yellow (76%)
- Blue (77%)



- Cyan (17%)
- Magenta (0%)
- Yellow (14%)
- Black (23%)





- Cyan (36%)
- Magenta (23%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4375, 50.6896, 45.0835 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 42.4375, 50.6896, 45.0835 by changing the saturation by 10% instead.


 42.4375, 50.6896,
45.0835


 42.4375, 50.6896,
45.0835


347.2542,
389.3566, 383.2816

 29.6366, 35.9616,
31.1798


 78.1224, 91.1958,
84.1655

 19.7096, 24.4046,
20.4762


 101.7370,
117.7428, 110.1808

 12.2912, 15.6340,
12.5541


129.6870,
148.9983, 141.0704

 7.0159, 9.2655,
6.9952

162.3377,
185.3466, 177.2529

 3.5185, 4.9148,
3.3807

200.0544,
227.1722, 219.1466

 1.4335, 2.1974,
1.2921

243.2025,

 0.2799, 0.7185,

274.8595, 267.1703

0.0553

292.1473,
328.7928, 321.7425

■ 0.0000, 0.0000,
0.0000

■ 42.4375, 50.6896,
45.0835

■ 42.4375, 50.6896,
45.0835

■ 37.2124, 48.1673,
37.1647

■ 48.4958, 53.6212,
54.0907

■ 32.7799, 46.0298,
30.2898

■ 55.4174, 56.9723,
64.2220

■ 29.1022, 44.2601,
24.4164

■ 63.2359, 60.7610,
75.5152

■ 26.1369, 42.8372,
19.4976

■ 71.9819, 65.0023,
88.0058

■ 23.8370, 41.7381,
15.4829

■ 78.8699, 68.2595,
101.5958

■ 22.1501, 40.9367,
12.3171

■ 79.2572, 68.4145,
103.6357

■ 21.0154, 40.4033,
9.9390

■ 20.3548, 40.0988,
8.2788

■ 20.1997, 40.0275,
7.8797

Harmonies

Analogous

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



44.9548, 50.6896, 39.1397



42.4375, 50.6896, 45.0835



41.4500, 50.6896, 54.4166

Triad

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



42.4375, 50.6896, 45.0835



47.9073, 50.6896, 78.0140



54.7119, 50.6896, 46.2735

Complementary

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



42.4375, 50.6896, 45.0835



45.8176, 42.2281, 55.6074

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.



55.5994, 50.6896, 55.9755



42.4375, 50.6896, 45.0835



51.5537, 50.6896, 75.1251

Square

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



42.4375, 50.6896, 45.0835



44.5062, 50.6896, 74.1718



54.4162, 50.6896, 66.7095



52.0484, 50.6896, 39.7628

Rectangle

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



42.4375, 50.6896, 45.0835



41.7521, 50.6896, 61.6187



54.4162, 50.6896, 66.7095



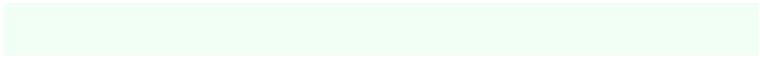
55.2336, 50.6896, 49.2292

Sweetspot

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



42.4389, 50.6917, 45.0846



88.8206, 96.9842, 99.7713



48.4201, 53.8284, 42.9603



18.8308, 20.6713, 21.0896



0.0000, 0.0000, 0.0000



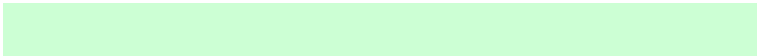
20.3446, 21.4041, 23.3091

Same Dimension

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



42.4389, 50.6917, 45.0846



72.5111, 89.0971, 75.4829



44.0822, 51.3491, 53.7382



10.5619, 11.9136, 11.6431



13.3053, 26.3345, 5.2862



0.6515, 1.2555, 0.3633

Inverse Universe

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



45.8176, 42.2281, 55.6074



79.6635, 71.1780, 97.7564



44.0950, 41.5391, 46.5362



11.0114, 10.7879, 13.0431



19.7670, 9.6564, 25.0465



0.9552, 0.4649, 1.2873

Previews

White Background



This preview shows how the XYZ color 42.4375, 50.6896, 45.0835 looks on a white background.

Color Contrast Check

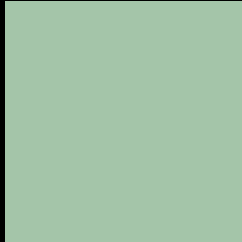
Large Text (above 18pt) WCAG AA × Fail

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 42.4375, 50.6896, 45.0835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

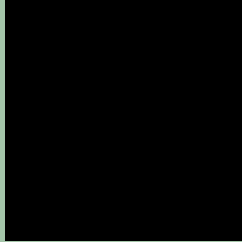
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

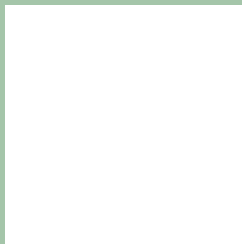
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.4375, 50.6896, 45.0835

Background



This preview shows how black text looks on a background with the XYZ color 42.4375, 50.6896, 45.0835.



This preview shows how white text looks on a background with the XYZ color 42.4375, 50.6896,

45.0835.

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

42.4375, 50.6896, 45.0835

Protanopia

47.7100, 50.5171, 42.3581

Deuteranopia

51.3257, 50.4315, 46.0588



Tritanopia

46.6897, 50.7503, 66.3665

Trichromacy



Original Color

42.4375, 50.6896, 45.0835

Protanomaly

45.5213, 50.3291, 43.3916

Deuteranomaly

47.6267, 50.0830, 45.6849

Tritanomaly

45.0659, 50.7587, 57.8743

Monochromacy



Original Color

42.4375, 50.6896, 45.0835

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

44.4657, 48.9970, 49.7616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4375, 50.6896, 45.0835 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(164, 197, 169)` looks like.

```
.text, #text, p{  
    color:rgb(164, 197, 169)  
}
```

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(164, 197, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 197, 169) }
```

Border

The CSS property to change the border of an element to XYZ 42.4375, 50.6896, 45.0835 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(164, 197, 169) }
```


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

```
.border{ border-color:rgb(164, 197, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 197, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 197, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 197, 169);  
box-shadow:4px 4px 4px 4px rgb(164, 197,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4375, 50.6896, 45.0835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 197, 169) }
```

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

```
.background{ background-color: rgb(164,  
197, 169) }
```

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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