

Converting Colors

XYZ(42.8329, 50.3904, 49.6500)

Have a look what the booklet for
XYZ(42.8329, 50.3904, 49.6500)
contains.

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Color

**XYZ(42.8801, 50.4807,
49.6032)**

Conversions

Conversions Part 1

Format	Color
Hex	A3C4B2
RGB	163, 196, 178
RGB Percent	64%, 77%, 70%
CMY	0.3608, 0.2314, 0.3020
CMYK	0.17, 0.00, 0.09, 0.23
HSL	147°, 22%, 70%
HSV	147°, 17%, 77%
XYZ	42.8801, 50.4807, 49.6032
YIQ	184.0810, -13.8900, -12.5940

Conversions

Conversions Part 2

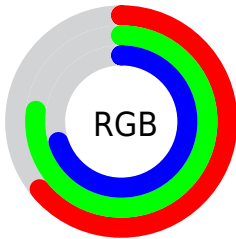
Format	Color
R _{YB}	163, 186, 196
Decimal	10732722
CIE Lab	76.36, -14.64, 5.36
CIE LCh	76, 15.587, 159.902
Yxy	50.4807, 0.2999, 0.3531
Android (android.graphics.Color)	4288922802 (0xFFA3C4B2)
YUV	184.0810, -2.9979, -18.4880
Hunter-Lab	71.0498, -16.6084, 8.3417

Details

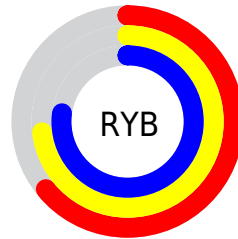
The XYZ color **42.8801, 50.4807, 49.6032** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.2045, 41.2677, 49.3541**, and the grayscale version is **45.6274, 48.0036, 52.2759**.

A 20% lighter version of the original color is **78.8900, 91.0965, 91.2673**, and **19.9302, 24.2062, 23.0239** is the 20% darker color. If you saturate the color by 10%, you get **38.1419, 48.1587, 43.9947**, and if you desaturate by 10%, it is **48.3268, 53.1611, 55.6838**.

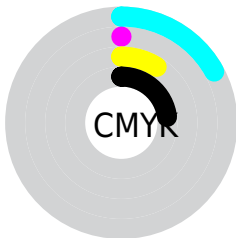
Distribution



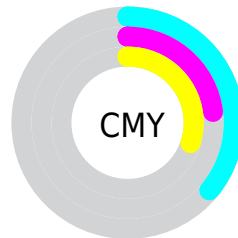
- Red (64%)
- Green (77%)
- Blue (70%)



- Red (64%)
- Yellow (73%)
- Blue (77%)



- Cyan (17%)
- Magenta (0%)
- Yellow (9%)
- Black (23%)





- Cyan (36%)
- Magenta (23%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8801, 50.4807, 49.6032 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 42.8801, 50.4807, 49.6032 by changing the saturation by 10% instead.


 42.8801, 50.4807,
49.6032


 42.8801, 50.4807,
49.6032


349.0483,
388.5428, 401.8027

 29.9852, 35.7955,
34.7292


 78.7867, 90.8867,
90.9769

 19.9753, 24.2763,
23.1725


 102.5291,
117.3763, 118.3138

 12.4853, 15.5387,
14.5144

130.6181,
148.5694, 150.6420

 7.1496, 9.1983,
8.3365

163.4189,
184.8506, 188.3801

 3.6030, 4.8708,
4.2202

201.2970,
226.6041, 231.9467

 1.4801, 2.1716,
1.7469

244.6177,

 0.3122, 0.7045,

274.2144, 281.7603

0.3926

293.7464,
328.0658, 338.2395

■ 0.0000, 0.0000,
0.0000

■ 42.8801, 50.4807,
49.6032

■ 42.8801, 50.4807,
49.6032

■ 38.1419, 48.1587,
43.9947

■ 48.3268, 53.1611,
55.6838

■ 34.0775, 46.1732,
38.8436

■ 54.5064, 56.2080,
62.2441

■ 30.6556, 44.5098,
34.1393

■ 61.4472, 59.6372,
69.2958

■ 27.8406, 43.1502,
29.8695

■ 69.1748, 63.4617,
76.8490

■ 25.5933, 42.0745,
26.0212

■ 75.4699, 66.5373,
84.8085

■ 23.8694, 41.2602,
22.5808

■ 77.0309, 67.1617,
93.0286

■ 22.6178, 40.6811,
19.5337

■ 78.6858, 67.8237,
101.7432

■ 21.7706, 40.3026,
16.8641

■ 79.0308, 67.9617,
103.5603

■ 21.5476, 40.2044,
16.0944

Harmonies

Analogous

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



44.4553, 50.4807, 43.4896



42.8801, 50.4807, 49.6032



42.6400, 50.4807, 57.7874

Triad

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



42.8801, 50.4807, 49.6032



48.9561, 50.4807, 72.4470



52.4349, 50.4807, 45.2478

Complementary

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



42.8801, 50.4807, 49.6032



44.2045, 41.2677, 49.3541

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.



53.7490, 50.4807, 52.2358



42.8801, 50.4807, 49.6032



51.6871, 50.4807, 68.2997

Square

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



42.8801, 50.4807, 49.6032



46.0698, 50.4807, 71.5582



53.4699, 50.4807, 60.6997



49.9431, 50.4807, 41.1582

Rectangle

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



42.8801, 50.4807, 49.6032



43.2589, 50.4807, 63.4101



53.4699, 50.4807, 60.6997



53.0335, 50.4807, 47.3049

Sweetspot

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



42.8815, 50.4828, 49.6043



89.4141, 97.2216, 102.8965



45.4438, 51.9684, 42.2869



18.9747, 20.7288, 21.8474



0.0000, 0.0000, 0.0000



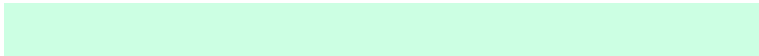
20.3446, 21.4041, 23.3091

Same Dimension

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



42.8815, 50.4828, 49.6043



74.5518, 89.9134, 86.2289



44.6229, 51.1794, 58.7743



10.1305, 11.3333, 11.6906



13.8869, 25.8488, 10.5635



0.6347, 1.1307, 0.6392

Inverse Universe

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



44.2045, 41.2677, 49.3541



77.3728, 70.2617, 85.6940



42.6234, 40.6353, 41.0283



10.2979, 10.1678, 11.6591



16.3738, 8.2393, 9.8806



0.7419, 0.3698, 0.6081

Previews

White Background



This preview shows how the XYZ color 42.8801, 50.4807, 49.6032 looks on a white background.

Color Contrast Check

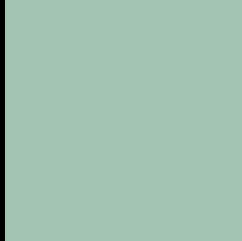
Large Text (above 18pt) WCAG AA × Fail

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 42.8801, 50.4807, 49.6032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

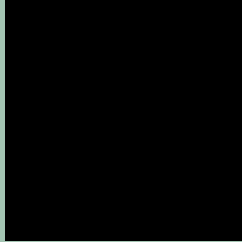
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

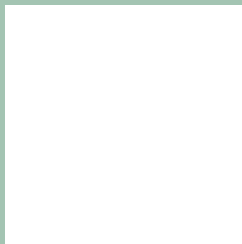
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.8801, 50.4807, 49.6032

Background



This preview shows how black text looks on a background with the XYZ color 42.8801, 50.4807, 49.6032.



This preview shows how white text looks on a background with the XYZ color 42.8801, 50.4807,

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

42.8801, 50.4807, 49.6032

Protanopia

47.8188, 50.1599, 46.6967

Deuteranopia

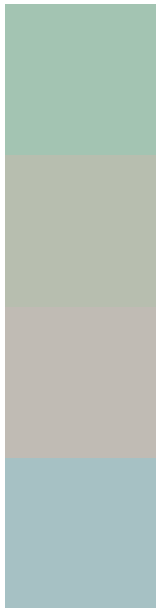
51.3629, 50.3474, 50.7270



Tritanopia

46.2606, 50.5291, 66.3464

Trichromacy



Original Color

42.8801, 50.4807, 49.6032

Protanomaly

45.6798, 49.9893, 47.7988

Deuteranomaly

47.7468, 50.0424, 50.3226

Tritanomaly

44.7597, 50.2324, 59.5613

Monochromacy



Original Color

42.8801, 50.4807, 49.6032

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

44.3312, 48.5739, 51.2952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8801, 50.4807, 49.6032 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(163, 196, 178)` looks like.

```
.text, #text, p{  
    color:rgb(163, 196, 178)  
}
```

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(163, 196, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 196, 178) }
```

Border

The CSS property to change the border of an element to XYZ 42.8801, 50.4807, 49.6032 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(163, 196, 178) }
```


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

```
.border{ border-color:rgb(163, 196, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 196, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 196, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 196, 178);  
box-shadow:4px 4px 4px 4px rgb(163, 196,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8801, 50.4807, 49.6032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 196, 178) }
```

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

```
.background{ background-color: rgb(163,  
196, 178) }
```

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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