

Converting Colors

XYZ(42.4390, 48.6831, 43.0651)

Have a look what the booklet for
XYZ(42.4390, 48.6831, 43.0651)
contains.

XYZ(42.5270, 48.7854, 43.2515)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.5270, 48.7854,
43.2515)**

Conversions

Conversions Part 1

Format	Color
Hex	ACBFA6
RGB	172, 191, 166
RGB Percent	67%, 75%, 65%
CMY	0.3255, 0.2510, 0.3490
CMYK	0.10, 0.00, 0.13, 0.25
HSL	106°, 16%, 70%
HSV	106°, 13%, 75%
XYZ	42.5270, 48.7854, 43.2515
YIQ	182.4690, -3.2990, -11.8030

Conversions

Conversions Part 2

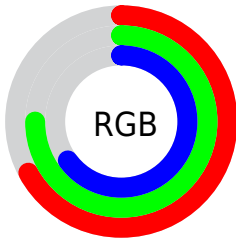
Format	Color
RYB	166, 191, 185
Decimal	11321254
CIELab	75.32, -11.19, 10.42
CIELCh	75, 15.290, 137.020
Yxy	48.7854, 0.3160, 0.3625
Android (android.graphics.Color)	4289511334 (0xFFACBFA6)
YUV	182.4690, -8.1192, -9.1813
Hunter-Lab	69.8465, -13.5494, 12.1781

Details

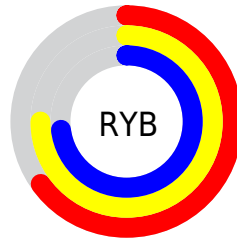
The XYZ color **42.5270, 48.7854, 43.2515** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.0496, 41.3496, 55.0050**, and the grayscale version is **44.7645, 47.0958, 51.2873**.

A 20% lighter version of the original color is **77.9905, 88.0729, 81.2958**, and **19.8715, 23.3849, 19.3860** is the 20% darker color. If you saturate the color by 10%, you get **37.8897, 46.5838, 34.5577**, and if you desaturate by 10%, it is **47.7753, 51.2747, 53.3344**.

Distribution



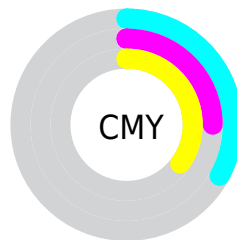
- Red (67%)
- Green (75%)
- Blue (65%)



- Red (65%)
- Yellow (75%)
- Blue (73%)



- Cyan (10%)
- Magenta (0%)
- Yellow (13%)
- Black (25%)





- Cyan (33%)
- Magenta (25%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5270, 48.7854, 43.2515 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 42.5270, 48.7854, 43.2515 by changing the saturation by 10% instead.

 42.5270, 48.7854,
43.2515


 42.5270, 48.7854,
43.2515


347.6175,
381.8969, 375.5966

 29.7071, 34.4493,
29.7496


 78.2568, 88.3726,
81.3807

 19.7633, 23.2390,
19.3982


 101.8973,
114.3926, 106.8451

 12.3304, 14.7701,
11.7786


129.8755,
145.0758, 137.1340

 7.0429, 8.6582,
6.4724

162.5566,
180.8069, 172.6661

 3.5355, 4.5189,
3.0610

200.3060,
221.9702, 213.8599

 1.4429, 1.9679,
1.1259

243.4890,

 0.2865, 0.5887,

268.9500, 261.1339

0.0000

292.4711,
322.1307, 314.9066

■ 0.0000, 0.0000,
0.0000

■ 42.5270, 48.7854,
43.2515

■ 42.5270, 48.7854,
43.2515

■ 37.8897, 46.5838,
34.5577

■ 47.7753, 51.2747,
53.3344

■ 33.8369, 44.6534,
27.1889

■ 53.6520, 54.0552,
64.8600

■ 30.3459, 42.9853,
21.0811

■ 60.1787, 57.1384,
77.8833

■ 27.3909, 41.5678,
16.1635

■ 67.3749, 60.5331,
92.4553

■ 24.9442, 40.3881,
12.3583

■ 74.1939, 63.8217,
103.0161

■ 22.9752, 39.4326,
9.5786

■ 77.9217, 65.7435,
103.1906

■ 21.4499, 38.6857,
7.7244

■ 20.3290, 38.1299,
6.6759

■ 19.7510, 37.8405,
6.2630

Harmonies

Analogous

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



44.8053, 48.7854, 39.6525



42.5270, 48.7854, 43.2515



41.3002, 48.7854, 49.7182

Triad

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



42.5270, 48.7854, 43.2515



45.1659, 48.7854, 69.6717



51.7305, 48.7854, 48.7166

Complementary

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



42.5270, 48.7854, 43.2515



43.0496, 41.3496, 55.0050

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.



51.8366, 48.7854, 56.6714



42.5270, 48.7854, 43.2515



47.9688, 48.7854, 69.3339

Square

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



42.5270, 48.7854, 43.2515



42.7818, 48.7854, 65.2646



50.4358, 48.7854, 64.3836



50.1515, 48.7854, 42.5823

Rectangle

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



42.5270, 48.7854, 43.2515



41.2099, 48.7854, 55.0330



50.4358, 48.7854, 64.3836



51.9417, 48.7854, 51.2500

Sweetspot

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



42.5283, 48.7875, 43.2526



84.5982, 91.3725, 93.6484



45.6675, 48.4251, 43.0172



18.4129, 19.9868, 20.2466



92.9021, 97.7402, 106.4391



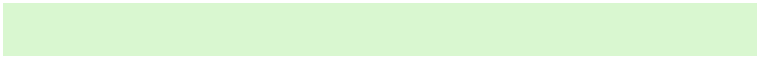
19.4759, 20.4902, 22.3138

Same Dimension

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



42.5283, 48.7875, 43.2526



73.4211, 86.0720, 72.2727



41.8286, 48.3589, 46.2864



9.6174, 10.7572, 10.1461



13.0410, 24.8987, 4.1186



0.5715, 1.0066, 0.1642

Inverse Universe

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



43.0496, 41.3496, 55.0050



74.5541, 69.8904, 97.8399



43.8544, 41.8423, 51.5277



9.7002, 9.5778, 12.0097



13.9484, 6.4768, 32.9079



0.6014, 0.2820, 1.2916

Previews

White Background



This preview shows how the XYZ color 42.5270, 48.7854, 43.2515 looks on a white background.

Color Contrast Check

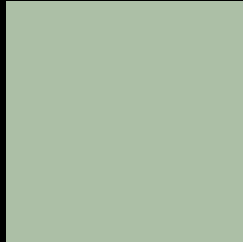
Large Text (above 18pt) WCAG AA × Fail

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 42.5270, 48.7854, 43.2515 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

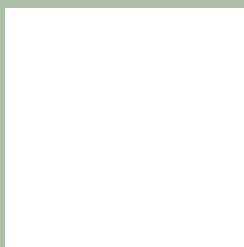
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.5270, 48.7854, 43.2515

Background



This preview shows how black text looks on a background with the XYZ color 42.5270, 48.7854, 43.2515.



This preview shows how white text looks on a background with the XYZ color 42.5270, 48.7854,

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

42.5270, 48.7854, 43.2515

Protanopia

46.2080, 48.8116, 41.6365

Deuteranopia

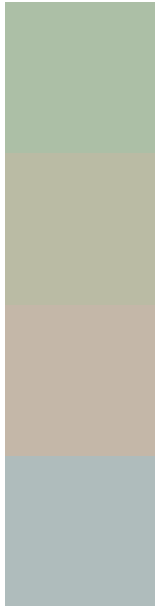
49.5760, 48.6601, 44.3155



Tritanopia

46.2330, 48.6820, 62.2182

Trichromacy



Original Color

42.5270, 48.7854, 43.2515

Protanomaly

44.7209, 48.6601, 42.1573

Deuteranomaly

46.7663, 48.4299, 43.9288

Tritanomaly

44.7395, 48.7112, 54.6211

Monochromacy



Original Color

42.5270, 48.7854, 43.2515

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.5455, 47.2975, 47.9085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5270, 48.7854, 43.2515 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, 191, 166)` looks like.

```
.text, #text, p{  
    color:rgb(172, 191, 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(172, 191, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 191, 166) }
```

Border

The CSS property to change the border of an element to XYZ 42.5270, 48.7854, 43.2515 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, 191, 166) }
```


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

```
.border{ border-color:rgb(172, 191, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 191, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 191, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 191, 166);  
box-shadow:4px 4px 4px 4px rgb(172, 191,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5270, 48.7854, 43.2515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 191, 166) }
```

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

```
.background{ background-color: rgb(172,  
191, 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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