

Converting Colors

XYZ(42.3172, 48.6340, 48.8696)

Have a look what the booklet for
XYZ(42.3172, 48.6340, 48.8696)
contains.

XYZ(42.2925, 48.5429, 48.7356)	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(42.2925, 48.5429,
48.7356)**

Conversions

Conversions Part 1

Format	Color
Hex	A6BFB1
RGB	166, 191, 177
RGB Percent	65%, 75%, 69%
CMY	0.3490, 0.2510, 0.3059
CMYK	0.13, 0.00, 0.07, 0.25
HSL	146°, 16%, 70%
HSV	146°, 13%, 75%
XYZ	42.2925, 48.5429, 48.7356
YIQ	181.9290, -10.4060, -9.6540

Conversions

Conversions Part 2

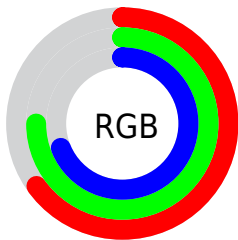
Format	Color
RYB	166, 183, 191
Decimal	10928049
CIELab	75.17, -11.24, 4.19
CIELCh	75, 11.994, 159.531
Yxy	48.5429, 0.3030, 0.3478
Android (android.graphics.Color)	4289118129 (0xFFA6BFB1)
YUV	181.9290, -2.4300, -13.9697
Hunter-Lab	69.6727, -13.5748, 7.2980

Details

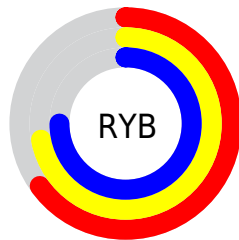
The XYZ color **42.2925, 48.5429, 48.7356** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.3621, 41.6453, 48.9352**, and the grayscale version is **44.4427, 46.7572, 50.9186**.

A 20% lighter version of the original color is **77.7875, 87.7769, 89.9336**, and **19.6660, 23.2096, 22.5122** is the 20% darker color. If you saturate the color by 10%, you get **37.5575, 46.2217, 43.1650**, and if you desaturate by 10%, it is **47.7085, 51.2082, 54.7764**.

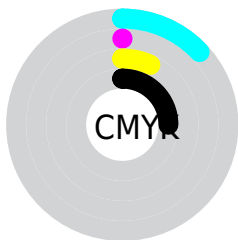
Distribution



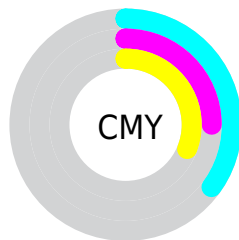
- Red (65%)
- Green (75%)
- Blue (69%)



- Red (65%)
- Yellow (72%)
- Blue (75%)



- Cyan (13%)
- Magenta (0%)
- Yellow (7%)
- Black (25%)





- Cyan (35%)
- Magenta (25%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2925, 48.5429, 48.7356 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 42.2925, 48.5429, 48.7356 by changing the saturation by 10% instead.


 42.2925, 48.5429,
48.7356


 42.2925, 48.5429,
48.7356


346.6651,
380.9400, 398.2930

 29.5225, 34.2570,
34.0457

 77.9045, 88.0122,
89.6756

 19.6227, 23.0911,
22.6510


 101.4772,
113.9644, 116.7627

 12.2278, 14.6608,
14.1332

129.3816,
144.5741, 148.8192

 6.9723, 8.5817,
8.0735

161.9829,
180.2258, 186.2638

 3.4909, 4.4693,
4.0536

199.6466,
221.3039, 229.5149

 1.4184, 1.9394,
1.6548

242.7379,

 0.2693, 0.5719,

268.1926, 278.9911

0.3295

291.6223,
321.2766, 335.1110

■ 0.0000, 0.0000,
0.0000

■ 42.2925, 48.5429,
48.7356

■ 42.2925, 48.5429,
48.7356

■ 37.5575, 46.2217,
43.1650

■ 47.7085, 51.2082,
54.7764

■ 33.4713, 44.2242,
38.0502

■ 53.8278, 54.2249,
61.2952

■ 30.0054, 42.5372,
33.3806

■ 60.6767, 57.6076,
68.3034

■ 27.1272, 41.1442,
29.1439

■ 68.2787, 61.3683,
75.8112

■ 24.8012, 40.0272,
25.3273

■ 74.2232, 64.2640,
83.7146

■ 22.9875, 39.1658,
21.9173

■ 75.7765, 64.8853,
91.8941

■ 21.6410, 38.5370,
18.8996

■ 77.4237, 65.5442,
100.5681

■ 20.7073, 38.1132,
16.2588

■ 77.9217, 65.7434,
103.1906

■ 20.2332, 37.9040,
14.6439

Harmonies

Analogous

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



43.5013, 48.5429, 44.0611



42.2925, 48.5429, 48.7356



42.0961, 48.5429, 54.8840

Triad

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



42.2925, 48.5429, 48.7356



46.8417, 48.5429, 65.7083



49.4745, 48.5429, 45.5214

Complementary

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



42.2925, 48.5429, 48.7356



43.3621, 41.6453, 48.9352

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.



50.4319, 48.5429, 50.8766



42.2925, 48.5429, 48.7356



48.8803, 48.5429, 62.7474

Square

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



42.2925, 48.5429, 48.7356



44.6768, 48.5429, 65.0206



50.2110, 48.5429, 57.2002



47.6318, 48.5429, 42.3101

Rectangle

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



42.2925, 48.5429, 48.7356



42.5593, 48.5429, 59.0461



50.2110, 48.5429, 57.2002



49.9131, 48.5429, 47.1125

Sweetspot

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



42.2939, 48.5450, 48.7367



84.4437, 91.2182, 97.0102



44.3767, 49.7403, 43.3391



18.3732, 19.9471, 21.1163



92.9021, 97.7402, 106.4391



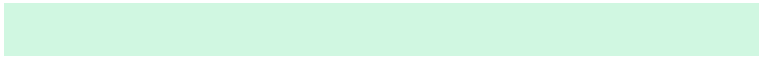
19.4759, 20.4902, 22.3138

Same Dimension

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



42.2939, 48.5450, 48.7367



72.9327, 85.5593, 84.0375



43.5799, 49.0594, 55.5088



9.5784, 10.7175, 11.0296



13.3354, 24.9245, 9.8292



0.5553, 0.9895, 0.5583

Inverse Universe

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



43.3621, 41.6453, 48.9352



75.2564, 70.5492, 84.4686



42.1604, 41.1647, 42.6075



9.7478, 9.6234, 11.0611



15.9043, 7.9929, 10.0557



0.6554, 0.3260, 0.5644

Previews

White Background



This preview shows how the XYZ color 42.2925, 48.5429, 48.7356 looks on a white background.

Color Contrast Check

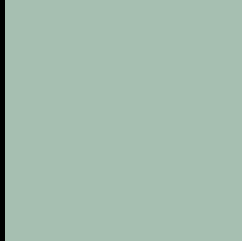
Large Text (above 18pt) WCAG AA × Fail

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 42.2925, 48.5429, 48.7356 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

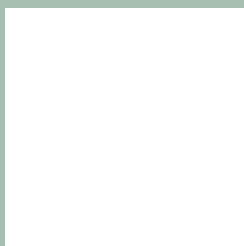
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.2925, 48.5429, 48.7356

Background



This preview shows how black text looks on a background with the XYZ color 42.2925, 48.5429, 48.7356.

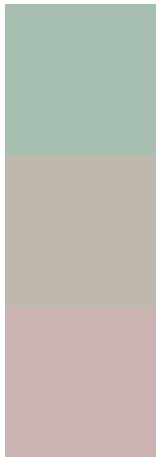


This preview shows how white text looks on a background with the XYZ color 42.2925, 48.5429,

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

42.2925, 48.5429, 48.7356

Protanopia

46.1692, 48.3745, 46.4390

Deuteranopia

49.2602, 48.3729, 49.9206



Tritanopia

45.0086, 48.3510, 62.8376

Trichromacy



Original Color

42.2925, 48.5429, 48.7356

Protanomaly

44.7017, 48.5417, 47.0579

Deuteranomaly

46.3054, 48.0688, 49.4855

Tritanomaly

43.9710, 48.2517, 57.4481

Monochromacy



Original Color

42.2925, 48.5429, 48.7356

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.4917, 47.2233, 50.0028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2925, 48.5429, 48.7356 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, 191, 177)` looks like.

```
.text, #text, p{  
    color:rgb(166, 191, 177)  
}
```

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, 191, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 191, 177) }
```

Border

The CSS property to change the border of an element to XYZ 42.2925, 48.5429, 48.7356 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, 191, 177) }
```


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

```
.border{ border-color:rgb(166, 191, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 191, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 191, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 191, 177);  
box-shadow:4px 4px 4px 4px rgb(166, 191,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2925, 48.5429, 48.7356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 191, 177) }
```

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

```
.background{ background-color: rgb(166,  
191, 177) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor