

# Converting Colors

XYZ(42.3347, 47.2889, 56.3317)

Have a look what the booklet for  
XYZ(42.3347, 47.2889, 56.3317)  
contains.

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# **Color**

**XYZ(42.4914, 47.5146,  
56.2219)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3BCBF
RGB	163, 188, 191
RGB Percent	64%, 74%, 75%
CMY	0.3608, 0.2627, 0.2510
CMYK	0.15, 0.02, 0.00, 0.25
HSL	186°, 18%, 69%
HSV	186°, 15%, 75%
XYZ	42.4914, 47.5146, 56.2219
YIQ	180.8670, -15.8630, -4.3670

# Conversions

## Conversions Part 2

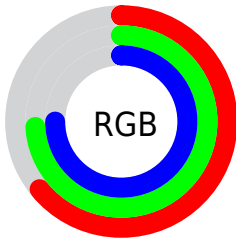
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	163, 176, 191
Decimal	10730687
CIE <sub>Lab</sub>	74.52, -7.85, -4.39
CIE <sub>LCh</sub>	75, 8.988, 209.214
Yxy	47.5146, 0.2906, 0.3249
Android (android.graphics.Color)	4288920767 (0xFFA3BCBF)
YUV	180.8670, 4.9956, -15.6694
Hunter-Lab	68.9308, -10.5953, -0.1070

# Details

The XYZ color **42.4914, 47.5146, 56.2219** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.7331, 40.9928, 40.3638**, and the grayscale version is **43.8302, 46.1128, 50.2169**.

A 20% lighter version of the original color is **78.0526, 86.3222, 100.5437**, and **19.8070, 22.5424, 27.3519** is the 20% darker color. If you saturate the color by 10%, you get **38.4389, 44.7829, 55.9090**, and if you desaturate by 10%, it is **47.1435, 50.5671, 56.5667**.

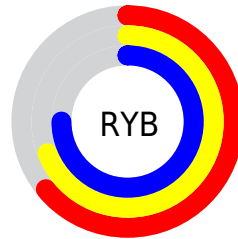
# Distribution



Red (64%)

Green (74%)

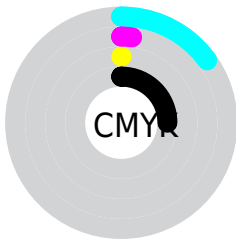
Blue (75%)



Red (64%)

Yellow (69%)

Blue (75%)

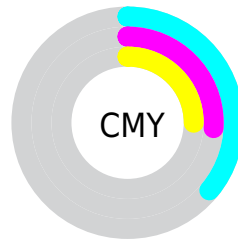


Cyan (15%)

Magenta (2%)

Yellow (0%)

Black (25%)



Cyan (36%)

Magenta (26%)

Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4914, 47.5146, 56.2219 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 42.4914, 47.5146, 56.2219 by changing the saturation by 10% instead.



■ 42.4914, 47.5146,  
56.2219

■ 42.4914, 47.5146,  
56.2219

347.4730,  
376.8649, 427.9390

■ 29.6791, 33.4427,  
39.9757

■ 78.2033, 86.4813,  
100.8180

■ 19.7420, 22.4658,  
27.2059

■ 101.8336,  
112.1447, 130.0049

■ 12.3148, 14.1995,  
17.4941

129.8005,  
142.4409, 164.3425

■ 7.0322, 8.2596,  
10.4218

162.4695,  
177.7540, 204.2492

■ 3.5287, 4.2615,  
5.5702

200.2059,  
218.4686, 250.1437

■ 1.4391, 1.8209,  
2.5210

243.3751,

■ 0.2839, 0.5001,

264.9690, 302.4445

0.8513

292.3423,  
317.6396, 361.5701

■ 0.0000, 0.0000,  
0.0000

■ 42.4914, 47.5146,  
56.2219

■ 42.4914, 47.5146,  
56.2219

■ 38.4389, 44.7829,  
55.9090

■ 47.1435, 50.5671,  
56.5667

■ 34.9555, 42.3525,  
55.6235

■ 52.4158, 53.9473,  
56.9412

■ 32.0140, 40.2106,  
55.3651

■ 58.3332, 57.6692,  
57.3477

■ 29.5837, 38.3412,  
55.1323

■ 64.9176, 61.7444,  
57.7873

■ 27.6304, 36.7268,  
54.9237

■ 70.8900, 65.5134,  
58.2000

■ 26.1160, 35.3477,  
54.7373

■ 71.3612, 66.4558,  
58.3571

■ 24.9962, 34.1809,  
54.5711

■ 71.8387, 67.4108,  
58.5162

■ 24.2176, 33.1990,  
54.4226

■ 72.3226, 68.3786,  
58.6775

■ 23.8835, 32.7204,  
54.3478

■ 72.8128, 69.3591,  
58.8410

# Harmonies

## Analogous

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



42.1116, 47.5146, 51.6127



42.4914, 47.5146, 56.2219



43.5824, 47.5146, 59.8008

# Triad

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



42.4914, 47.5146, 56.2219



47.8960, 47.5146, 56.4468



45.2041, 47.5146, 43.3021

# Complementary

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



42.4914, 47.5146, 56.2219



41.7331, 40.9928, 40.3638

# 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.



46.7777, 47.5146, 44.4298



42.4914, 47.5146, 56.2219



48.3546, 47.5146, 51.8581

# Square

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



42.4914, 47.5146, 56.2219



46.7018, 47.5146, 59.9360



47.9406, 47.5146, 47.4940



43.6549, 47.5146, 44.3190



# Rectangle

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



42.4914, 47.5146, 56.2219



44.5796, 47.5146, 61.0225



47.9406, 47.5146, 47.4940



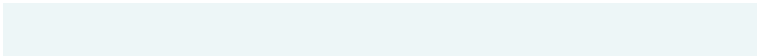
45.7479, 47.5146, 43.4418

# Sweetspot

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



42.4928, 47.5166, 56.2230



84.9644, 90.9088, 101.3482



40.6003, 47.7947, 43.0664



18.5084, 19.8662, 22.2444



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.



42.4928, 47.5166, 56.2230



73.3504, 83.2619, 100.4843



39.6836, 41.8983, 55.2866



9.7190, 10.6303, 12.2118



15.7312, 21.5742, 35.7280



0.6415, 0.8957, 1.4079



# Inverse Universe

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



43.6612, 40.9024, 53.1731



75.9114, 68.9140, 93.7661



44.3783, 46.2833, 41.2456



9.8848, 9.6782, 11.7822



18.9412, 9.2076, 26.0475



0.7547, 0.3658, 1.0875



# Previews

## White Background



This preview shows how the XYZ color 42.4914, 47.5146, 56.2219 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

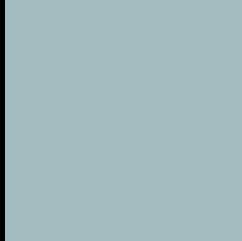
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.4914, 47.5146, 56.2219 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

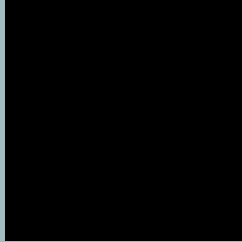
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

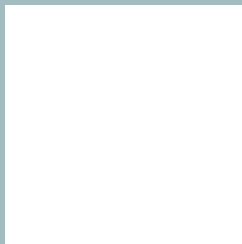
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 42.4914, 47.5146, 56.2219**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.4914, 47.5146, 56.2219.



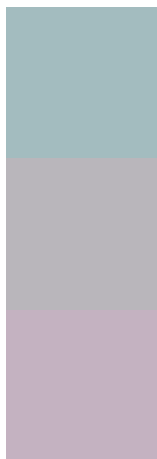
This preview shows how white text looks on a background with the XYZ color 42.4914, 47.5146,



# 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

42.4914, 47.5146, 56.2219

### Protanopia

45.7052, 47.3580, 53.7458

### Deuteranopia

48.3110, 47.4268, 57.0601



## Tritanopia

43.6186, 47.3342, 62.0958

# Trichromacy



## Original Color

42.4914, 47.5146, 56.2219

## Protanomaly

44.3491, 47.2589, 54.3614

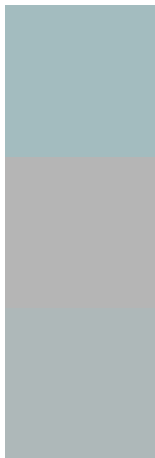
## Deuteranomaly

46.0095, 47.4520, 56.6034

## Tritanomaly

43.1582, 47.4644, 59.7102

# Monochromacy



## Original Color

42.4914, 47.5146, 56.2219

## Achromatopsia

43.9204, 46.2077, 50.3202

## Achromatomaly

43.3530, 46.7824, 52.6439

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.4914, 47.5146, 56.2219 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, 188, 191)` looks like.

```
.text, #text, p{  
    color:rgb(163, 188, 191)  
}
```

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, 188, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 188, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 42.4914, 47.5146, 56.2219 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, 188, 191) }
```



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

```
.border{ border-color:rgb(163, 188, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 188, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 188, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 188, 191);  
box-shadow:4px 4px 4px 4px rgb(163, 188,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.4914, 47.5146, 56.2219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 188, 191) }
```

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

```
.background{ background-color: rgb(163,  
188, 191) }
```

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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