

# Converting Colors

XYZ(42.9328, 55.7456, 35.6913)

Have a look what the booklet for  
XYZ(42.9328, 55.7456, 35.6913)  
contains.

<b>XYZ(42.9328, 55.7456, 35.6913)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(42.9328, 55.7456,  
35.6913)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1D292
RGB	161, 210, 146
RGB Percent	63%, 82%, 57%
CMY	0.3686, 0.1765, 0.4274
CMYK	0.23, 0.00, 0.30, 0.18
HSL	106°, 42%, 70%
HSV	106°, 30%, 82%
XYZ	42.9328, 55.7456, 35.6913
YIQ	188.0530, -8.6600, -30.2920

# Conversions

## Conversions Part 2

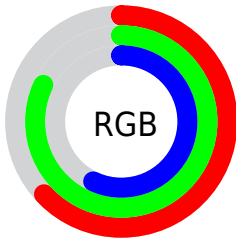
<b>Format</b>	<b>Color</b>
<b>RYB</b>	146, 210, 195
Decimal	10605202
CIELab	79.47, -27.87, 26.70
CIELCh	79, 38.594, 136.223
Yxy	55.7456, 0.3195, 0.4149
Android (android.graphics.Color)	4288795282 (0xFFA1D292)
YUV	188.0530, -20.7321, -23.7255
Hunter-Lab	74.6630, -28.0189, 23.9216

# Details

The XYZ color **42.9328, 55.7456, 35.6913** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.4199, 36.8147, 65.7406**, and the grayscale version is **47.9489, 50.4460, 54.9357**.

A 20% lighter version of the original color is **74.8006, 90.4418, 68.1582**, and **19.9712, 27.4571, 15.0736** is the 20% darker color. If you saturate the color by 10%, you get **38.4127, 53.5888, 27.7217**, and if you desaturate by 10%, it is **48.1726, 58.2421, 45.2633**.

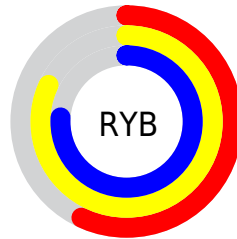
# Distribution



Red (63%)

Green (82%)

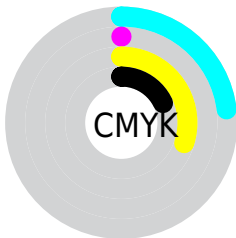
Blue (57%)



Red (57%)

Yellow (82%)

Blue (76%)

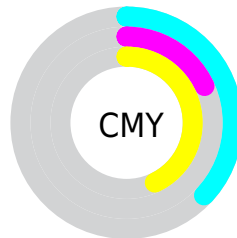


Cyan (23%)

Magenta (0%)

Yellow (30%)

Black (18%)



Cyan (37%)

Magenta (18%)

Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9328, 55.7456, 35.6913 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 42.9328, 55.7456, 35.6913 by changing the saturation by 10% instead.



■ 42.9328, 55.7456,  
35.6913

■ 42.9328, 55.7456,  
35.6913

349.2615,  
408.7321, 342.6058

■ 30.0267, 39.9990,  
23.9081

■ 78.8658, 98.6325,  
69.7190

■ 20.0070, 27.5378,  
15.0539

■ 102.6234,  
126.5416, 92.8006

■ 12.5084, 17.9775,  
8.7102

130.7288,  
159.2737, 120.4853

■ 7.1656, 10.9338,  
4.4584

163.5475,  
197.2131, 153.1918

■ 3.6131, 6.0224,  
1.8800

201.4447,  
240.7442, 191.3385

■ 1.4857, 2.8587,  
0.4800

244.7859,

■ 0.3161, 1.0584,

290.2515, 235.3441

0.0000

293.9364,  
346.1193, 285.6270

■ 0.0000, 0.0000,  
0.0000

■ 42.9328, 55.7456,  
35.6913

■ 42.9328, 55.7456,  
35.6913

■ 38.4127, 53.5888,  
27.7217

■ 48.1726, 58.2421,  
45.2633

■ 34.5758, 51.7498,  
21.2634

■ 54.1580, 61.0848,  
56.5147

■ 31.3887, 50.2150,  
16.2219

■ 60.9187, 64.2892,  
69.5221

■ 28.8134, 48.9673,  
12.4905

■ 68.4816, 67.8675,  
84.3561

■ 26.8075, 47.9875,  
9.9474

■ 76.8722, 71.8314,  
101.0836

■ 25.3227, 47.2537,  
8.4480

■ 82.3377, 74.5755,  
104.6626

■ 24.3246, 46.7538,  
7.7423

# Harmonies

## Analogous

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



48.9277, 55.7456, 28.2390



42.9328, 55.7456, 35.6913



39.7842, 55.7456, 51.0872

# Triad

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



42.9328, 55.7456, 35.6913



49.5130, 55.7456, 112.3246



68.6267, 55.7456, 49.5335

# Complementary

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



42.9328, 55.7456, 35.6913



44.4199, 36.8147, 65.7406

# 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.



68.8226, 55.7456, 71.4432



42.9328, 55.7456, 35.6913



57.2596, 55.7456, 111.6149

# Square

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



42.9328, 55.7456, 35.6913



43.3252, 55.7456, 97.0390



64.4941, 55.7456, 95.2872



63.9824, 55.7456, 34.7942



# Rectangle

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



42.9328, 55.7456, 35.6913



39.5032, 55.7456, 65.4445



64.4941, 55.7456, 95.2872



69.2294, 55.7456, 56.1858

# Sweetspot

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



42.9342, 55.7480, 35.6925



85.4008, 95.4273, 90.2994



51.0608, 54.3631, 34.9969



17.9657, 20.2766, 18.7302



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

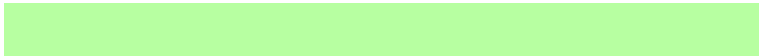


# Same Dimension

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



42.9342, 55.7480, 35.6925



61.6336, 84.1187, 46.5447



41.4240, 54.8154, 42.5808



11.9119, 13.3380, 12.5587



14.9115, 28.5561, 4.7260



0.9057, 1.6338, 0.2676



# Inverse Universe

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



44.4199, 36.8147, 65.7406



64.3022, 49.8927, 100.8489



46.5969, 38.1559, 55.9502



12.0287, 11.8636, 14.8996



16.1280, 7.4946, 37.7890



0.9691, 0.4537, 2.1161



# Previews

## White Background



This preview shows how the XYZ color 42.9328, 55.7456, 35.6913 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 42.9328, 55.7456, 35.6913 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

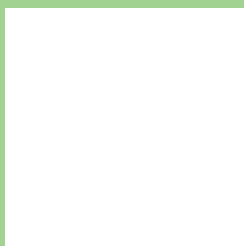
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 42.9328, 55.7456, 35.6913**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.9328, 55.7456, 35.6913.



This preview shows how white text looks on a background with the XYZ color 42.9328, 55.7456,



# 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

42.9328, 55.7456, 35.6913

### Protanopia

51.3375, 55.2222, 32.7641

### Deuteranopia

56.2023, 55.0238, 36.9366



## Tritanopia

50.6446, 55.6673, 73.7212

# Trichromacy



## Original Color

42.9328, 55.7456, 35.6913

## Protanomaly

47.7614, 55.0637, 33.7023

## Deuteranomaly

50.3416, 54.6289, 36.3249

## Tritanomaly

47.3590, 55.3823, 57.4840

# Monochromacy



## Original Color

42.9328, 55.7456, 35.6913

## Achromatopsia

47.7994, 50.2886, 54.7643

## Achromatomaly

45.6429, 51.9620, 47.1592

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.9328, 55.7456, 35.6913 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(161, 210, 146)` looks like.

```
.text, #text, p{  
    color:rgb(161, 210, 146)  
}
```

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(161, 210, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 210, 146) }
```

## Border

The CSS property to change the border of an element to XYZ 42.9328, 55.7456, 35.6913 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(161, 210, 146) }
```



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

```
.border{ border-color:rgb(161, 210, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 210, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 210, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 210, 146);  
box-shadow:4px 4px 4px 4px rgb(161, 210,  
146) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.9328, 55.7456, 35.6913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 210, 146) }
```

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

```
.background{ background-color: rgb(161,  
210, 146) }
```

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