

# Converting Colors

XYZ(42.3555, 56.8851, 34.8106)

Have a look what the booklet for  
XYZ(42.3555, 56.8851, 34.8106)  
contains.

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# Color

**XYZ(42.3309, 56.9463,  
34.7473)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 9AD68F                       |
| RGB         | 154, 214, 143                |
| RGB Percent | 60%, 84%, 56%                |
| CMY         | 0.3961, 0.1608, 0.4392       |
| CMYK        | 0.28, 0.00, 0.33, 0.16       |
| HSL         | 111°, 46%, 70%               |
| HSV         | 111°, 33%, 84%               |
| XYZ         | 42.3309, 56.9463, 34.7473    |
| YIQ         | 187.9660, -12.9690, -34.8010 |

# Conversions

## Conversions Part 2

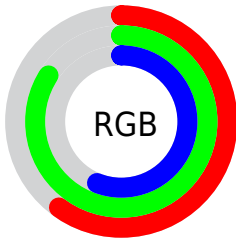
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">143, 214, 203</a>                    |
| Decimal                             | <a href="#">10147471</a>                         |
| CIELab                              | <a href="#">80.15, -32.60, 29.10</a>             |
| CIElCh                              | <a href="#">80, 43.701, 138.246</a>              |
| Yxy                                 | <a href="#">56.9463, 0.3158,<br/>0.4249</a>      |
| Android<br>(android.graphics.Color) | <a href="#">4288337551<br/>(0xFF9AD68F)</a>      |
| YUV                                 | <a href="#">187.9660, -22.1682,<br/>-29.7882</a> |
| Hunter-Lab                          | <a href="#">75.4628, -31.9301,<br/>25.5235</a>   |

# Details

The XYZ color **42.3309, 56.9463, 34.7473** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.5912, 37.1982, 68.3457**, and the grayscale version is **47.9091, 50.4041, 54.8900**.

A 20% lighter version of the original color is **72.4164, 89.2529, 66.2341**, and **19.6967, 28.3357, 14.5564** is the 20% darker color. If you saturate the color by 10%, you get **37.6755, 54.7178, 26.8592**, and if you desaturate by 10%, it is **47.8172, 59.5707, 44.2910**.

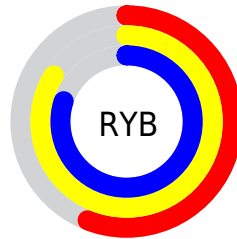
# Distribution



Red (60%)

Green (84%)

Blue (56%)



Red (56%)

Yellow (84%)

Blue (80%)

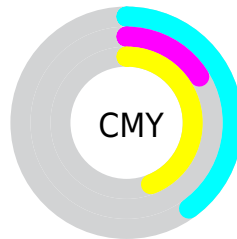


Cyan (28%)

Magenta (0%)

Yellow (33%)

Black (16%)



Cyan (40%)

Magenta (16%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3309, 56.9463, 34.7473 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 42.3309, 56.9463, 34.7473 by changing the saturation by 10% instead.




 42.3309, 56.9463,  
34.7473


 42.3309, 56.9463,  
34.7473


346.8212,  
413.2481, 338.3218

 29.5527, 40.9621,  
23.1863


 77.9622, 100.3868,  
68.2412

 19.6457, 28.2895,  
14.5245


 101.5461,  
128.6120, 91.0112

 12.2445, 18.5440,  
8.3435

129.4625,  
161.6862, 118.3547

 6.9838, 11.3413,  
4.2246

162.0769,  
199.9940, 150.6900

 3.4982, 6.2969,  
1.7494

199.7546,  
243.9197, 188.4359

 1.4224, 3.0264,  
0.3942

242.8610,

 0.2721, 1.1455,

293.8476, 232.0108

0.0000

291.7614,  
350.1623, 281.8332

■ 0.0000, 0.0165,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 42.3309, 56.9463,  
34.7473

■ 42.3309, 56.9463,  
34.7473

■ 37.6755, 54.7178,  
26.8592

■ 47.8172, 59.5707,  
44.2910

■ 33.8058, 52.8590,  
20.5288

■ 54.1678, 62.6015,  
55.5731

■ 30.6790, 51.3518,  
15.6541

■ 61.4199, 66.0575,  
68.6753

■ 28.2463, 50.1734,  
12.1192

■ 69.6069, 69.9546,  
83.6731

■ 26.4529, 49.2985,  
9.7904

■ 78.7606, 74.3076,  
100.6378

■ 25.2349, 48.6978,  
8.5067

■ 83.3377, 76.5754,  
104.9959

■ 24.6797, 48.4212,  
8.0455

# Harmonies

## Analogous

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



48.9398, 56.9463, 26.1207



42.3309, 56.9463, 34.7473



39.0337, 56.9463, 52.5428

# Triad

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



42.3309, 56.9463, 34.7473



50.7123, 56.9463, 123.4691



72.0697, 56.9463, 47.8838

# Complementary

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



42.3309, 56.9463, 34.7473



46.5912, 37.1982, 68.3457

# 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.



72.6789, 56.9463, 72.5396



42.3309, 56.9463, 34.7473



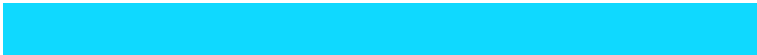
59.6657, 56.9463, 121.2078

# Square

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



42.3309, 56.9463, 34.7473



43.5056, 56.9463, 106.2525



67.9302, 56.9463, 100.7273



66.3472, 56.9463, 32.1456



# Rectangle

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



42.3309, 56.9463, 34.7473



38.8876, 56.9463, 69.3075



67.9302, 56.9463, 100.7273



72.9005, 56.9463, 55.2341

# Sweetspot

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



42.3324, 56.9487, 34.7486



83.7242, 94.6046, 88.3431



53.8516, 58.6013, 34.4604



17.6037, 20.0983, 18.3392



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

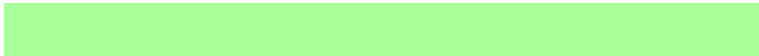


# Same Dimension

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



42.3324, 56.9487, 34.7486



57.8291, 82.2328, 42.9616



42.3203, 56.7131, 45.1155



12.4397, 13.9874, 13.2049



14.9726, 29.2950, 4.8654



0.9607, 1.7966, 0.2962



# Inverse Universe

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



46.5912, 37.1982, 68.3457



65.1054, 48.3880, 100.5161



46.8868, 37.6749, 53.7093



12.7553, 12.5308, 15.6839



18.9053, 8.8986, 39.1743



1.1924, 0.5636, 2.3652



# Previews

## White Background



This preview shows how the XYZ color 42.3309, 56.9463, 34.7473 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

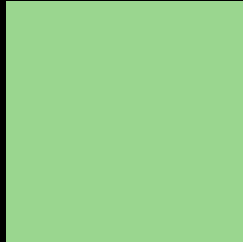
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.3309, 56.9463, 34.7473 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 42.3309, 56.9463, 34.7473**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.3309, 56.9463, 34.7473.



This preview shows how white text looks on a background with the XYZ color 42.3309, 56.9463,



# 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

42.3309, 56.9463, 34.7473

### Protanopia

52.3696, 56.4619, 31.4306

### Deuteranopia

57.3630, 56.2887, 35.8584



## Tritanopia

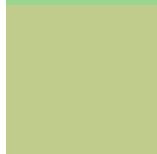
50.5804, 56.6217, 76.6698

# Trichromacy



## Original Color

42.3309, 56.9463, 34.7473



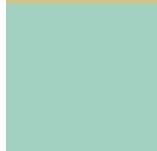
## Protanomaly

47.9913, 56.2563, 32.7552



## Deuteranomaly

50.5136, 55.7595, 35.2944



## Tritanomaly

47.0818, 56.6434, 58.9039

# Monochromacy



## Original Color

42.3309, 56.9463, 34.7473



## Achromatopsia

47.7994, 50.2886, 54.7643



## Achromatomaly

45.3171, 52.1412, 46.7055

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.3309, 56.9463, 34.7473 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(154, 214, 143)` looks like.

```
.text, #text, p{  
    color:rgb(154, 214, 143)  
}
```

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(154, 214, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 214, 143) }
```

## Border

The CSS property to change the border of an element to XYZ 42.3309, 56.9463, 34.7473 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(154, 214, 143) }
```



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

```
.border{ border-color:rgb(154, 214, 143) }
```

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

Here you see how a box with a 4 pixel rgb(154, 214, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 214, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 214, 143);  
box-shadow:4px 4px 4px 4px rgb(154, 214,  
143) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.3309, 56.9463, 34.7473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 214, 143) }
```

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

```
.background{ background-color: rgb(154,  
214, 143) }
```

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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