

# Converting Colors

XYZ(42.8118, 54.2847, 37.3576)

Have a look what the booklet for  
XYZ(42.8118, 54.2847, 37.3576)  
contains.

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# Color

**XYZ(42.7615, 54.1635,  
37.4790)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3CE97
RGB	163, 206, 151
RGB Percent	64%, 81%, 59%
CMY	0.3608, 0.1921, 0.4078
CMYK	0.21, 0.00, 0.27, 0.19
HSL	107°, 36%, 70%
HSV	107°, 27%, 81%
XYZ	42.7615, 54.1635, 37.4790
YIQ	186.8730, -7.9730, -26.2210

# Conversions

## Conversions Part 2

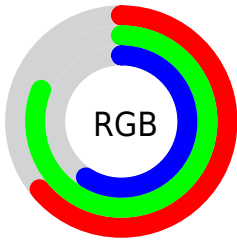
Format	Color
<a href="#">RYB</a>	<a href="#">151, 206, 194</a>
Decimal	<a href="#">10735255</a>
CIELab	<a href="#">78.56, -24.45, 22.86</a>
CIELCh	<a href="#">79, 33.473, 136.916</a>
Yxy	<a href="#">54.1635, 0.3182, 0.4030</a>
Android (android.graphics.Color)	<a href="#">4288925335 (0xFFA3CE97)</a>
YUV	<a href="#">186.8730, -17.6854, -20.9366</a>
Hunter-Lab	<a href="#">73.5959, -25.0787, 21.3234</a>

# Details

The XYZ color **42.7615, 54.1635, 37.4790** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.4576, 38.0603, 63.3986**, and the grayscale version is **47.2635, 49.7248, 54.1503**.

A 20% lighter version of the original color is **75.9929, 90.9878, 71.3148**, and **19.9589, 26.6916, 16.1566** is the 20% darker color. If you saturate the color by 10%, you get **38.1424, 51.9606, 29.2797**, and if you desaturate by 10%, it is **48.0959, 56.7046, 47.2400**.

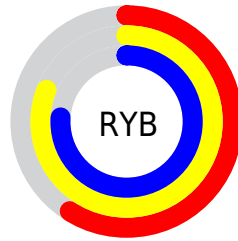
# Distribution



Red (64%)

Green (81%)

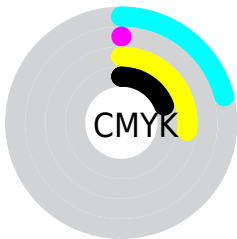
Blue (59%)



Red (59%)

Yellow (81%)

Blue (76%)

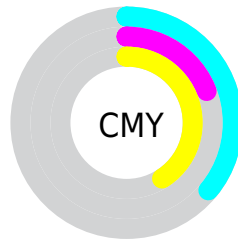


Cyan (21%)

Magenta (0%)

Yellow (27%)

Black (19%)



Cyan (36%)

Magenta (19%)


Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7615, 54.1635, 37.4790 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 42.7615, 54.1635, 37.4790 by changing the saturation by 10% instead.




 42.7615, 54.1635,  
37.4790


 42.7615, 54.1635,  
37.4790


348.5682,  
402.7332, 350.6106

 29.8917, 38.7324,  
25.2799


 78.6088, 96.3143,  
72.5034

 19.9041, 26.5516,  
16.0648


 102.3170,  
123.8027, 96.1658

 12.4332, 17.2368,  
9.4152

130.3688,  
156.0791, 124.4864

 7.1137, 10.4034,  
4.9125

163.1295,  
193.5277, 157.8836

 3.5803, 5.6673,  
2.1381

200.9644,  
236.5331, 196.7762

 1.4675, 2.6438,  
0.6383

244.2389,

 0.3036, 0.9487,

285.4795, 241.5825

0.0000

293.3184,  
340.7514, 292.7211

■ 0.0000, 0.0000,  
0.0000

■ 42.7615, 54.1635,  
37.4790

■ 42.7615, 54.1635,  
37.4790

■ 38.1424, 51.9606,  
29.2797

■ 48.0959, 56.7046,  
47.2400

■ 34.2033, 50.0746,  
22.5578

■ 54.1702, 59.5901,  
58.6340

■ 30.9125, 48.4927,  
17.2262

■ 61.0134, 62.8351,  
71.7326

■ 28.2335, 47.1983,  
13.1875

■ 68.6514, 66.4514,  
86.6016

■ 26.1265, 46.1731,  
10.3316

■ 77.1087, 70.4504,  
103.3036

■ 24.5462, 45.3966,  
8.5300

■ 81.3624, 72.6248,  
104.3375

■ 23.4377, 44.8443,  
7.6158

■ 23.1520, 44.7013,  
7.4080

# Harmonies

## Analogous

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



47.8776, 54.1635, 30.6005



42.7615, 54.1635, 37.4790



40.0880, 54.1635, 51.1278

# Triad

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



42.7615, 54.1635, 37.4790



48.6625, 54.1635, 101.9058



64.5945, 54.1635, 49.0238

# Complementary

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



42.7615, 54.1635, 37.4790



44.4576, 38.0603, 63.3986

# 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.



64.8502, 54.1635, 67.5863



42.7615, 54.1635, 37.4790



55.2604, 54.1635, 101.0031

# Square

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



42.7615, 54.1635, 37.4790



43.2937, 54.1635, 89.6831



61.3114, 54.1635, 87.4306



60.6399, 54.1635, 36.2235



# Rectangle

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



42.7615, 54.1635, 37.4790



39.8878, 54.1635, 63.4582



61.3114, 54.1635, 87.4306



65.1270, 54.1635, 54.7078

# Sweetspot

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



42.7629, 54.1658, 37.4802



86.3113, 95.8546, 92.2473



50.1486, 53.5723, 36.9763



18.1420, 20.3591, 19.1178



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

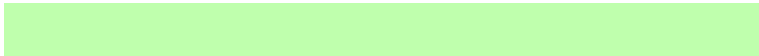


# Same Dimension

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



42.7629, 54.1658, 37.4802



64.8782, 85.6551, 52.8521



41.6879, 53.4653, 44.0402



11.2931, 12.6530, 11.9265



14.3239, 27.5596, 4.5646



0.8056, 1.4561, 0.2386



# Inverse Universe

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



44.4576, 38.0603, 63.3986



68.0618, 55.2995, 101.6944



45.9629, 39.0327, 54.5965



11.4388, 11.2755, 14.1439



16.0033, 7.4575, 36.5523



0.8866, 0.4162, 1.8885



# Previews

## White Background



This preview shows how the XYZ color 42.7615, 54.1635, 37.4790 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 42.7615, 54.1635, 37.4790 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

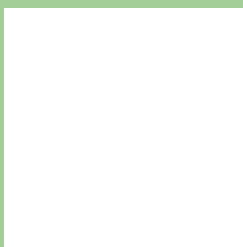
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 42.7615, 54.1635, 37.4790**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.7615, 54.1635, 37.4790.



This preview shows how white text looks on a background with the XYZ color 42.7615, 54.1635,

37.4790.

# 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**

42.7615, 54.1635, 37.4790

**Protanopia**

50.4150, 54.0378, 34.5612

**Deuteranopia**

54.8393, 53.6531, 38.4761



## Tritanopia

49.5653, 54.1274, 71.4536

# Trichromacy



## Original Color

42.7615, 54.1635, 37.4790

## Protanomaly

47.1988, 53.7012, 35.4815

## Deuteranomaly

49.5313, 53.1695, 38.2240

## Tritanomaly

46.6528, 53.9699, 57.2486

# Monochromacy



## Original Color

42.7615, 54.1635, 37.4790

## Achromatopsia

47.2335, 49.6933, 54.1160

## Achromatomaly

45.2919, 51.1045, 47.5214

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.7615, 54.1635, 37.4790 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, 206, 151)` looks like.

```
.text, #text, p{  
    color:rgb(163, 206, 151)  
}
```

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, 206, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 206, 151) }
```

## Border

The CSS property to change the border of an element to XYZ 42.7615, 54.1635, 37.4790 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, 206, 151) }
```



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

```
.border{ border-color:rgb(163, 206, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 206, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 206, 151); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 206, 151); box-shadow:4px 4px 4px 4px rgb(163, 206, 151) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.7615, 54.1635, 37.4790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 206, 151) }
```

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

```
.background{ background-color: rgb(163,  
206, 151) }
```

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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