

# Converting Colors

XYZ(41.3273, 51.2097, 42.1431)

Have a look what the booklet for  
XYZ(41.3273, 51.2097, 42.1431)  
contains.

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# Color

**XYZ(41.3657, 51.2220,  
42.3570)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EC8A3
RGB	158, 200, 163
RGB Percent	62%, 78%, 64%
CMY	0.3804, 0.2157, 0.3608
CMYK	0.21, 0.00, 0.19, 0.22
HSL	127°, 28%, 70%
HSV	127°, 21%, 78%
XYZ	41.3657, 51.2220, 42.3570
YIQ	183.2240, -13.1550, -20.4110

# Conversions

## Conversions Part 2

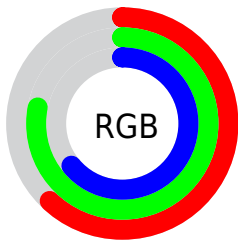
Format	Color
<a href="#">RYB</a>	<a href="#">158, 196, 200</a>
Decimal	<a href="#">10406051</a>
CIELab	<a href="#">76.81, -21.15, 14.02</a>
CIELCh	<a href="#">77, 25.373, 146.449</a>
Yxy	<a href="#">51.2220, 0.3065, 0.3796</a>
Android (android.graphics.Color)	<a href="#">4288596131 (0xFF9EC8A3)</a>
YUV	<a href="#">183.2240, -9.9704, -22.1214</a>
Hunter-Lab	<a href="#">71.5695, -22.0774, 15.0091</a>

# Details

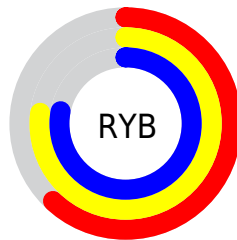
The XYZ color **41.3657, 51.2220, 42.3570** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.8984, 40.6744, 57.0638**, and the grayscale version is **45.1920, 47.5455, 51.7771**.

A 20% lighter version of the original color is **75.8555, 90.7281, 79.8439**, and **19.0920, 24.7696, 18.8137** is the 20% darker color. If you saturate the color by 10%, you get **36.2770, 48.7700, 34.4445**, and if you desaturate by 10%, it is **47.3174, 54.0964, 51.4603**.

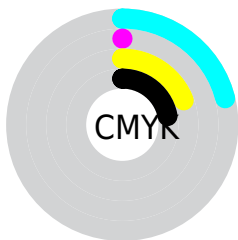
# Distribution



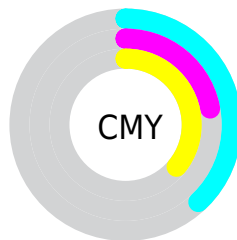
- Red (62%)
- Green (78%)
- Blue (64%)



- Red (62%)
- Yellow (77%)
- Blue (78%)



- Cyan (21%)
- Magenta (0%)
- Yellow (19%)
- Black (22%)




- Cyan (38%)
- Magenta (22%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3657, 51.2220, 42.3570 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 41.3657, 51.2220, 42.3570 by changing the saturation by 10% instead.





 41.3657, 51.2220,  
42.3570


 41.3657, 51.2220,  
42.3570


342.8833,  
391.4257, 371.8039

 28.7939, 36.3853,  
29.0533

 76.5099, 91.9828,  
80.0156

 19.0684, 24.7319,  
18.8752


 99.8131, 118.6758,  
105.2075

 11.8240, 15.8774,  
11.4042

127.4240,  
150.0896, 135.1992

 6.6953, 9.4375,  
6.2218

159.7081,  
186.6087, 170.4093

 3.3169, 5.0276,  
2.9095

197.0307,  
228.6175, 211.2563

 1.3235, 2.2635,  
1.0486

239.7572,

 0.2007, 0.7543,

276.5003, 258.1587

0.0000

288.2529,  
330.6416, 311.5350

0.0000, 0.0000,  
0.0000

41.3657, 51.2220,  
42.3570

41.3657, 51.2220,  
42.3570

36.2770, 48.7700,  
34.4445

47.3174, 54.0964,  
51.4603

32.0072, 46.7144,  
27.6702

54.1653, 57.4049,  
61.7970

28.5146, 45.0361,  
21.9829

61.9460, 61.1670,  
73.4123

25.7519, 43.7121,  
17.3258

70.6927, 65.3988,  
86.3475

23.6669, 42.7167,  
13.6374

79.3234, 69.5418,  
100.5903

■ 22.2002, 42.0208,  
10.8491

■ 79.9453, 69.7905,  
103.8651

■ 21.2820, 41.5901,  
8.8839

■ 20.8182, 41.3757,  
7.7430

# Harmonies

## Analogous

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



44.6744, 51.2220, 35.2316



41.3657, 51.2220, 42.3570



40.0122, 51.2220, 54.1451

# Triad

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



41.3657, 51.2220, 42.3570



48.1135, 51.2220, 86.6626



57.4587, 51.2220, 44.7704

# Complementary

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



41.3657, 51.2220, 42.3570



45.8984, 40.6744, 57.0638

# 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.



58.5283, 51.2220, 57.4313



41.3657, 51.2220, 42.3570



52.9286, 51.2220, 83.0567

# Square

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



41.3657, 51.2220, 42.3570



43.7426, 51.2220, 80.9324



56.8204, 51.2220, 71.7569



53.9862, 51.2220, 36.4551



# Rectangle

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



41.3657, 51.2220, 42.3570



40.3301, 51.2220, 63.6268



56.8204, 51.2220, 71.7569



58.1207, 51.2220, 48.5919

# Sweetspot

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



41.3671, 51.2242, 42.3581



87.5486, 96.3749, 97.6160



49.3595, 55.3952, 40.4391



18.5719, 20.5474, 20.6414



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

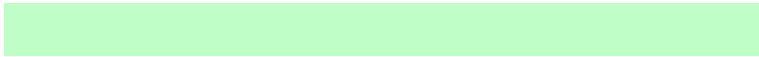


# Same Dimension

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



41.3671, 51.2242, 42.3581



67.5990, 86.7449, 67.1158



43.3976, 52.0364, 53.0509



10.5480, 11.9081, 11.5699



13.2540, 26.3140, 5.0160



0.6451, 1.2530, 0.3299



# Inverse Universe

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



45.8984, 40.6744, 57.0638



76.7773, 65.3715, 96.8995



43.6976, 39.7941, 45.4747



11.0266, 10.7940, 13.1235



20.1618, 9.8143, 27.1255

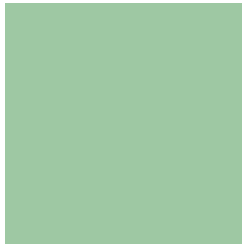


0.9704, 0.4710, 1.3674



# Previews

## White Background



This preview shows how the XYZ color 41.3657, 51.2220, 42.3570 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

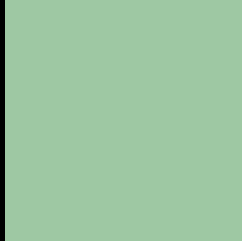
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.3657, 51.2220, 42.3570 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

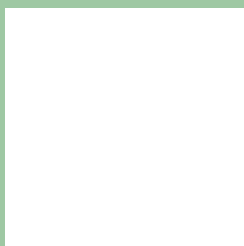
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 41.3657, 51.2220, 42.3570**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.3657, 51.2220, 42.3570.



This preview shows how white text looks on a background with the XYZ color 41.3657, 51.2220,



# 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

41.3657, 51.2220, 42.3570

### Protanopia

48.1028, 51.1089, 39.2280

### Deuteranopia

51.7273, 50.6930, 43.6176



## Tritanopia

46.5263, 51.2940, 67.7701

# Trichromacy



## Original Color

41.3657, 51.2220, 42.3570

## Protanomaly

45.3356, 50.9574, 40.2472

## Deuteranomaly

47.3287, 50.6177, 43.3521

## Tritanomaly

44.3586, 51.0722, 57.3891

# Monochromacy



## Original Color

41.3657, 51.2220, 42.3570

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

43.4896, 48.5285, 48.1491

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.3657, 51.2220, 42.3570 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(158, 200, 163)` looks like.

```
.text, #text, p{  
    color:rgb(158, 200, 163)  
}
```

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(158, 200, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 200, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 41.3657, 51.2220, 42.3570 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(158, 200, 163) }
```



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

```
.border{ border-color:rgb(158, 200, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 200, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 200, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 200, 163); box-shadow:4px 4px 4px 4px rgb(158, 200, 163) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.3657, 51.2220, 42.3570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 200, 163) }
```

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

```
.background{ background-color: rgb(158,  
200, 163) }
```

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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