

# Converting Colors

XYZ(55.0420, 71.1502, 32.6621)

Have a look what the booklet for  
XYZ(55.0420, 71.1502, 32.6621)  
contains.

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# Color

**XYZ(55.0420, 71.1502,  
32.6621)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C0E984
RGB	192, 233, 132
RGB Percent	75%, 91%, 52%
CMY	0.2471, 0.0863, 0.4823
CMYK	0.18, 0.00, 0.43, 0.09
HSL	84°, 70%, 72%
HSV	84°, 43%, 91%
XYZ	55.0420, 71.1502, 32.6621
YIQ	209.2270, 7.9850, -40.1030

# Conversions

## Conversions Part 2

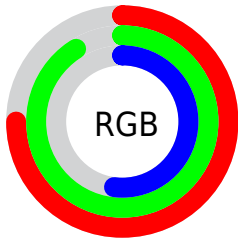
<b>Format</b>	<b>Color</b>
<b>RYB</b>	132, 233, 173
Decimal	12642692
CIELab	87.56, -29.61, 44.67
CIELCh	88, 53.588, 123.540
Yxy	71.1502, 0.3465, 0.4479
Android (android.graphics.Color)	4290832772 (0xFFC0E984)
YUV	209.2270, -38.0729, -15.1081
Hunter-Lab	84.3506, -31.1354, 36.0872

# Details

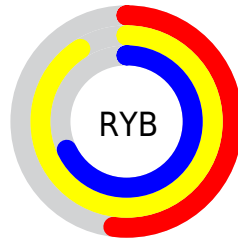
The XYZ color **55.0420, 71.1502, 32.6621** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **40.1956, 31.2719, 81.0123**, and the grayscale version is **60.9914, 64.1677, 69.8786**.

A 20% lighter version of the original color is **84.0473, 95.3892, 60.4366**, and **27.4866, 37.3418, 13.3484** is the 20% darker color. If you saturate the color by 10%, you get **51.3041, 69.3896, 25.0736**, and if you desaturate by 10%, it is **59.2935, 73.1389, 42.1362**.

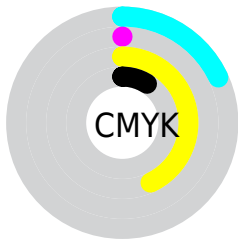
# Distribution



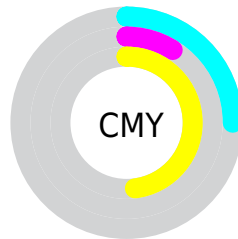
- Red (75%)
- Green (91%)
- Blue (52%)



- Red (52%)
- Yellow (91%)
- Blue (68%)



- Cyan (18%)
- Magenta (0%)
- Yellow (43%)
- Black (9%)



- Cyan (25%)
- Magenta (9%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.0420, 71.1502, 32.6621 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 55.0420, 71.1502, 32.6621 by changing the saturation by 10% instead.



■ 55.0420, 71.1502,  
32.6621

■ 55.0420, 71.1502,  
32.6621

396.2049,  
464.5783, 328.7096

■ 39.6693, 52.4648,  
21.5987

■ 96.7505, 120.8476,  
64.9575

■ 27.4639, 37.3757,  
13.3669

■ 123.8169,  
152.6283, 87.0267

■ 18.0603, 25.4985,  
7.5480

■ 155.5121,  
189.5429, 113.6015

■ 11.0932, 16.4488,  
3.7235

192.2012,  
231.9759, 145.1005

■ 6.1973, 9.8423,  
1.4749

234.2497,  
280.3115, 181.9423

■ 3.0072, 5.2945,  
0.1991

282.0229,

■ 1.1576, 2.4211,

334.9341, 224.5454

0.0000

335.8862,  
396.2283, 273.3283

0.0725, 0.8367,  
0.0000

0.0000, 0.0000,  
0.0000

55.0420, 71.1502,  
32.6621

55.0420, 71.1502,  
32.6621

51.3041, 69.3896,  
25.0736

59.2935, 73.1389,  
42.1362

48.0477, 67.8366,  
19.2396


64.0779, 75.3565,  
53.6060


45.2446, 66.4820,  
15.0197


69.4198, 77.8154,  
67.1788


42.8606, 65.3119,  
12.2497


75.3403, 80.5245,  
82.9527

 40.8550, 64.3095,  
10.7305

 81.8595, 83.4922,  
101.0197

 39.6896, 63.7191,  
10.2072

 86.1709, 85.5960,  
106.5877

 88.4304, 86.7608,  
106.6935

# Harmonies

## Analogous

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



66.1335, 71.1502, 26.6229



55.0420, 71.1502, 32.6621



48.0812, 71.1502, 50.3610

# Triad

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



55.0420, 71.1502, 32.6621



57.3439, 71.1502, 158.1982



94.9647, 71.1502, 73.2432

# Complementary

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



55.0420, 71.1502, 32.6621



40.1956, 31.2719, 81.0123

# 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.



91.8580, 71.1502, 112.8928



55.0420, 71.1502, 32.6621



69.1410, 71.1502, 170.0286

# Square

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



55.0420, 71.1502, 32.6621



49.2890, 71.1502, 122.7545



81.9955, 71.1502, 151.3672



90.0260, 71.1502, 44.9683



# Rectangle

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



55.0420, 71.1502, 32.6621



46.1970, 71.1502, 69.8842



81.9955, 71.1502, 151.3672



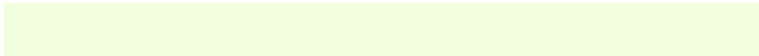
94.8291, 71.1502, 85.5868

# Sweetspot

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



55.0438, 71.1533, 32.6636



85.3856, 95.5821, 82.9508



52.6005, 48.6495, 28.4487



17.9509, 20.3092, 16.9115



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

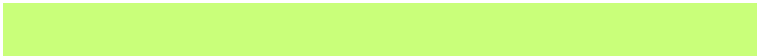


# Same Dimension

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



55.0438, 71.1533, 32.6636



63.4300, 85.3758, 31.6786



44.4785, 65.7067, 32.1692



15.7262, 17.3044, 16.0299



22.6635, 36.2279, 5.7982



1.8881, 2.9007, 0.4604



# Inverse Universe

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



40.1956, 31.2719, 81.0123



43.0160, 30.4948, 98.2266



53.3625, 38.0597, 81.6285



14.8102, 14.8474, 19.0075



11.1315, 4.7744, 44.0778



0.9805, 0.4298, 3.4661



# Previews

## White Background



This preview shows how the XYZ color 55.0420, 71.1502, 32.6621 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 55.0420, 71.1502, 32.6621 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 55.0420, 71.1502, 32.6621**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.0420, 71.1502, 32.6621.



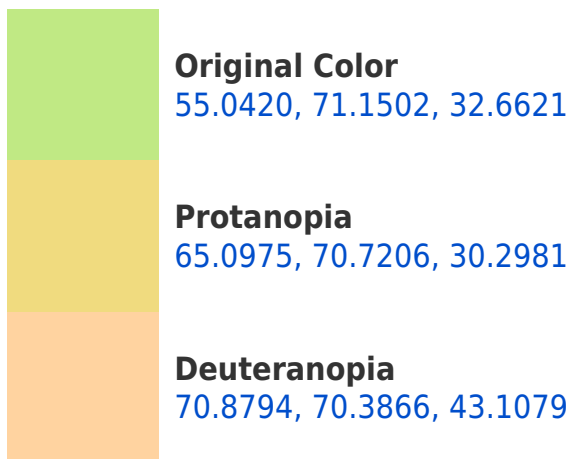
This preview shows how white text looks on a background with the XYZ color 55.0420, 71.1502,



# 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

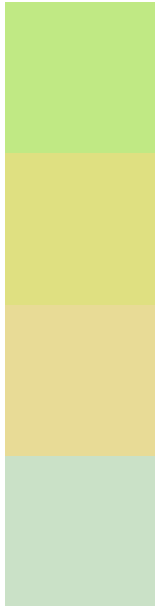




## **Tritanopia**

67.0212, 71.1513, 91.0901

# Trichromacy



## Original Color

55.0420, 71.1502, 32.6621

## Protanomaly

61.0495, 70.5843, 31.1754

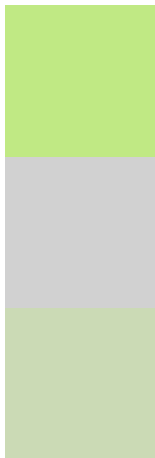
## Deuteranomaly

64.1153, 70.0208, 38.9903

## Tritanomaly

61.5911, 70.5305, 64.4004

# Monochromacy



## Original Color

55.0420, 71.1502, 32.6621

## Achromatopsia

60.6036, 63.7597, 69.4343

## Achromatomaly

58.0405, 66.1755, 53.4302

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.0420, 71.1502, 32.6621 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(192, 233, 132)` looks like.

```
.text, #text, p{  
    color:rgb(192, 233, 132)  
}
```

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(192, 233, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 233, 132) }
```

## Border

The CSS property to change the border of an element to XYZ 55.0420, 71.1502, 32.6621 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(192, 233, 132) }
```



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

```
.border{ border-color:rgb(192, 233, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 233, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 233, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 233, 132);  
box-shadow:4px 4px 4px 4px rgb(192, 233,  
132) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.0420, 71.1502, 32.6621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 233, 132) }
```

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

```
.background{ background-color: rgb(192,  
233, 132) }
```

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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