

# Converting Colors

XYZ(52.2292, 71.4898, 28.8154)

Have a look what the booklet for  
XYZ(52.2292, 71.4898, 28.8154)  
contains.

<b>XYZ(52.2648, 71.5081, 28.8171)</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(52.2648, 71.5081,  
28.8171)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B3ED78
RGB	179, 237, 120
RGB Percent	70%, 93%, 47%
CMY	0.2980, 0.0706, 0.5294
CMYK	0.24, 0.00, 0.49, 0.07
HSL	90°, 76%, 70%
HSV	90°, 49%, 93%
XYZ	52.2648, 71.5081, 28.8171
YIQ	206.3200, 2.9890, -48.6830

# Conversions

## Conversions Part 2

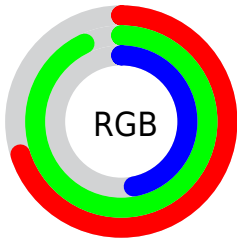
Format	Color
<a href="#">RYB</a>	<a href="#">120, 237, 178</a>
Decimal	<a href="#">11791736</a>
CIELab	<a href="#">87.73, -37.49, 50.44</a>
CIELCh	<a href="#">88, 62.843, 126.620</a>
Yxy	<a href="#">71.5081, 0.3425, 0.4686</a>
Android (android.graphics.Color)	<a href="#">4289981816 (0xFFB3ED78)</a>
YUV	<a href="#">206.3200, -42.5558, -23.9596</a>
Hunter-Lab	<a href="#">84.5625, -37.6603, 38.9889</a>

# Details

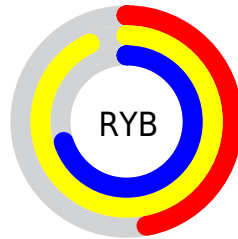
The XYZ color **52.2648, 71.5081, 28.8171** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **40.3656, 29.0144, 83.5975**, and the grayscale version is **59.1360, 62.2156, 67.7528**.

A 20% lighter version of the original color is **78.3250, 92.5805, 53.7861**, and **25.7054, 37.6639, 11.2252** is the 20% darker color. If you saturate the color by 10%, you get **48.4003, 69.6643, 22.0351**, and if you desaturate by 10%, it is **56.7202, 73.6199, 37.4876**.

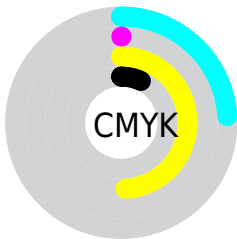
# Distribution



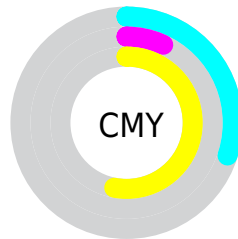
- Red (70%)
- Green (93%)
- Blue (47%)



- Red (47%)
- Yellow (93%)
- Blue (70%)



- Cyan (24%)
- Magenta (0%)
- Yellow (49%)
- Black (7%)




- Cyan (30%)
- Magenta (7%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2648, 71.5081, 28.8171 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 52.2648, 71.5081, 28.8171 by changing the saturation by 10% instead.





 52.2648, 71.5081,  
28.8171

 52.2648, 71.5081,  
28.8171


385.7652,  
465.8277, 310.3849


 37.4413, 52.7569,  
18.6981


 92.6936, 121.3569,  
58.8251

 25.7246, 37.6088,  
11.2777


 119.0295,  
153.2234, 79.5512

 16.7493, 25.6792,  
6.1375


 149.9337,  
190.2304, 104.6500

 10.1501, 16.5838,  
2.8587

185.7715,  
232.7624, 134.5402

 5.5616, 9.9382,  
1.0229

226.9082,  
281.2037, 169.6402

 2.6185, 5.3580,  
0.0000

273.7091,

 0.9554, 2.4588,

335.9387, 210.3687

0.0000

326.5397,  
397.3519, 257.1440

■ 0.0000, 0.8559,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 52.2648, 71.5081,  
28.8171

■ 52.2648, 71.5081,  
28.8171

■ 48.4003, 69.6643,  
22.0351

■ 56.7202, 73.6199,  
37.4876

■ 45.0890, 68.0653,  
16.9959


■ 61.7908, 76.0027,  
48.1687


■ 42.2962, 66.6992,  
13.5399


■ 67.5056, 78.6713,  
60.9778


■ 39.9793, 65.5480,  
11.4760


■ 73.8902, 81.6363,  
76.0218

 38.0746, 64.5857,  
10.5026

 80.9684, 84.9079,  
93.4004

 37.9633, 64.5293,  
10.4545

 87.5806, 88.0228,  
106.9819

 89.5757, 89.0513,  
107.0752

# Harmonies

## Analogous

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



64.7159, 71.5081, 21.4776



52.2648, 71.5081, 28.8171



44.9089, 71.5081, 49.6204

# Triad

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



52.2648, 71.5081, 28.8171



57.2162, 71.5081, 180.1063



100.5929, 71.5081, 68.7769

# Complementary

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



52.2648, 71.5081, 28.8171



40.3656, 29.0144, 83.5975

# 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.



97.8111, 71.5081, 115.1830



52.2648, 71.5081, 28.8171



71.3238, 71.5081, 191.1551

# Square

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



52.2648, 71.5081, 28.8171



47.4620, 71.5081, 137.7963



86.5342, 71.5081, 164.0593



93.6602, 71.5081, 38.4469



# Rectangle

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



52.2648, 71.5081, 28.8171



43.1841, 71.5081, 73.1202



86.5342, 71.5081, 164.0593



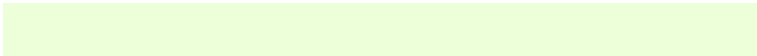
100.7764, 71.5081, 82.8007

# Sweetspot

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



52.2665, 71.5112, 28.8186



82.8563, 94.3560, 79.3208



53.9513, 50.6300, 24.6994



17.3996, 20.0403, 16.1948



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

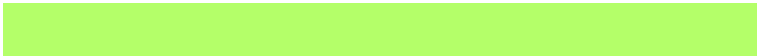


# Same Dimension

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



52.2665, 71.5112, 28.8186



57.2055, 82.2837, 26.1109



41.6954, 66.0616, 28.3239



15.5922, 17.2353, 16.0237



20.8774, 35.3072, 5.7146



1.7504, 2.8297, 0.4539



# Inverse Universe

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



40.3656, 29.0144, 83.5975



41.6779, 26.8317, 97.5901



56.2828, 37.2200, 84.3424



14.9425, 14.9156, 19.0137



12.5385, 5.4997, 44.1437



1.0955, 0.4890, 3.4715



# Previews

## White Background



This preview shows how the XYZ color 52.2648, 71.5081, 28.8171 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

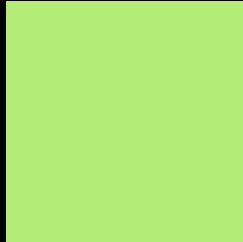
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.2648, 71.5081, 28.8171 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 52.2648, 71.5081, 28.8171**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.2648, 71.5081, 28.8171.



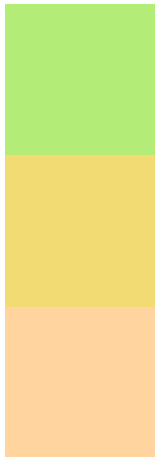
This preview shows how white text looks on a background with the XYZ color 52.2648, 71.5081,

28.8171.

# 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

52.2648, 71.5081, 28.8171

### Protanopia

64.9867, 70.7552, 26.1515

### Deuteranopia

70.9550, 70.8156, 42.2768



## Tritanopia

65.2978, 71.3979, 93.5587

# Trichromacy



## Original Color

52.2648, 71.5081, 28.8171



## Protanomaly

59.5622, 70.7137, 27.0329



## Deuteranomaly

62.5690, 70.0574, 36.6102



## Tritanomaly

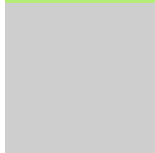
59.3326, 71.0170, 63.4038

# Monochromacy



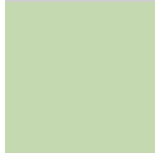
## Original Color

52.2648, 71.5081, 28.8171



## Achromatopsia

58.6655, 61.7207, 67.2138



## Achromatomaly

55.3157, 64.4566, 50.0834

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.2648, 71.5081, 28.8171 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(179, 237, 120)` looks like.

```
.text, #text, p{  
    color:rgb(179, 237, 120)  
}
```

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(179, 237, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 237, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 52.2648, 71.5081, 28.8171 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(179, 237, 120) }
```



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

```
.border{ border-color:rgb(179, 237, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 237, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 237, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 237, 120);  
box-shadow:4px 4px 4px 4px rgb(179, 237,  
120) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.2648, 71.5081, 28.8171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 237, 120) }
```

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

```
.background{ background-color: rgb(179,  
237, 120) }
```

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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