

# Converting Colors

XYZ(52.4320, 71.4663, 40.0889)

Have a look what the booklet for  
XYZ(52.4320, 71.4663, 40.0889)  
contains.

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# Color

**XYZ(52.3668, 71.3164,  
39.8596)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAED96
RGB	170, 237, 150
RGB Percent	67%, 93%, 59%
CMY	0.3333, 0.0706, 0.4118
CMYK	0.28, 0.00, 0.37, 0.07
HSL	106°, 71%, 76%
HSV	106°, 37%, 93%
XYZ	52.3668, 71.3164, 39.8596
YIQ	207.0490, -12.0050, -41.2610

# Conversions

## Conversions Part 2

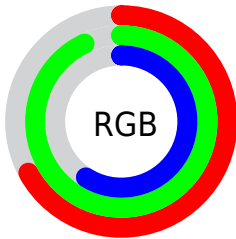
Format	Color
<a href="#">RYB</a>	<a href="#">150, 237, 217</a>
Decimal	<a href="#">11201942</a>
CIELab	<a href="#">87.64, -36.82, 35.62</a>
CIELCh	<a href="#">88, 51.226, 135.953</a>
Yxy	<a href="#">71.3164, 0.3202, 0.4361</a>
Android (android.graphics.Color)	<a href="#">4289392022 (0xFFAAED96)</a>
YUV	<a href="#">207.0490, -28.1252, -32.4920</a>
Hunter-Lab	<a href="#">84.4490, -37.0981, 31.1297</a>

# Details

The XYZ color **52.3668, 71.3164, 39.8596** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **54.8107, 42.6809, 85.4739**, and the grayscale version is **59.5224, 62.6222, 68.1956**.

A 20% lighter version of the original color is **78.4580, 92.2587, 71.4301**, and **25.7987, 37.5744, 17.4481** is the 20% darker color. If you saturate the color by 10%, you get **46.9729, 68.7365, 30.6328**, and if you desaturate by 10%, it is **58.6982, 74.3392, 51.1480**.

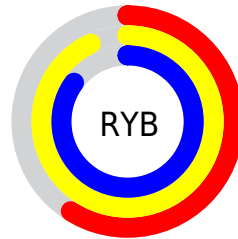
# Distribution



Red (67%)

Green (93%)

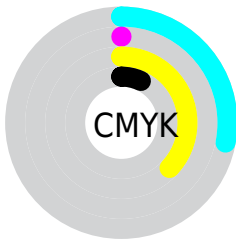
Blue (59%)



Red (59%)

Yellow (93%)

Blue (85%)

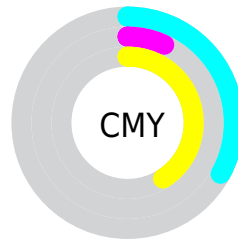


Cyan (28%)

Magenta (0%)

Yellow (37%)

Black (7%)



Cyan (33%)

Magenta (7%)


Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.3668, 71.3164, 39.8596 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 52.3668, 71.3164, 39.8596 by changing the saturation by 10% instead.





 52.3668, 71.3164,  
39.8596


 52.3668, 71.3164,  
39.8596


386.1518,  
465.1587, 361.0659

 37.5230, 52.6004,  
27.1161


 92.8430, 121.0841,  
76.1844

 25.7882, 37.4839,  
17.4273


 119.2061,  
152.9047, 100.6029

 16.7971, 25.5824,  
10.3744


150.1396,  
189.8623, 129.7500

 10.1843, 16.5115,  
5.5391

186.0090,  
232.3412, 164.0445

 5.5846, 9.8868,  
2.5027

227.1795,  
280.7259, 203.9048

 2.6324, 5.3240,  
0.8416


274.0166,


 0.9625, 2.4386,


335.4008, 249.7494


0.0000


326.8856,  
396.7503, 301.9970


 0.0000, 0.8456,  
0.0000


 0.0000, 0.0000,  
0.0000


 52.3668, 71.3164,  
39.8596


 52.3668, 71.3164,  
39.8596


 46.9729, 68.7365,  
30.6328


 58.6982, 74.3392,  
51.1480


 42.4651, 66.5695,  
23.3384

 66.0044, 77.8154,  
64.6072

 38.7955, 64.7956,  
17.8403

 74.3269, 81.7661,  
80.3443

 35.9087, 63.3898,  
13.9826

 83.7034, 86.2086,  
98.4581

■ 33.7422, 62.3238,  
11.5825

■ 89.5756, 89.0512,  
107.0752

■ 32.2212, 61.5641,  
10.4088

■ 31.8327, 61.3688,  
10.1676

# Harmonies

## Analogous

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



61.5750, 71.3164, 29.5129



52.3668, 71.3164, 39.8596



47.5857, 71.3164, 62.5432

# Triad

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



52.3668, 71.3164, 39.8596



62.2801, 71.3164, 162.1258



92.7679, 71.3164, 60.7047

# Complementary

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



52.3668, 71.3164, 39.8596



54.8107, 42.6809, 85.4739

# 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.



93.0155, 71.3164, 95.0156



52.3668, 71.3164, 39.8596



74.3972, 71.3164, 161.1888

# Square

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



52.3668, 71.3164, 39.8596



52.8298, 71.3164, 136.2236



85.9643, 71.3164, 133.9524



85.3236, 71.3164, 38.8614



# Rectangle

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



52.3668, 71.3164, 39.8596



47.1356, 71.3164, 84.7852



85.9643, 71.3164, 133.9524



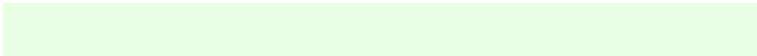
93.7231, 71.3164, 70.9295

# Sweetspot

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



52.3686, 71.3195, 39.8612



83.3525, 94.4539, 86.4752



65.1686, 69.6809, 38.8703



17.5546, 20.0812, 17.9681



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

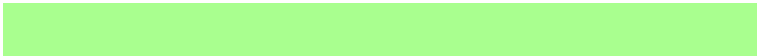


# Same Dimension

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



52.3686, 71.3195, 39.8612



56.9772, 81.8869, 38.7100



50.4263, 70.0805, 50.5075



15.1923, 17.0292, 16.0050



17.4733, 33.5523, 5.5553



1.4543, 2.6770, 0.4401



# Inverse Universe

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



54.8107, 42.6809, 85.4739



60.2225, 43.4974, 99.8295



57.9461, 44.6639, 69.0543



15.3566, 15.1291, 19.0331



19.0657, 8.8646, 44.4491

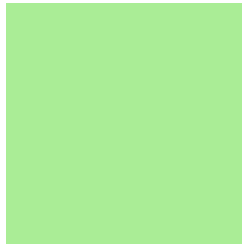


1.5794, 0.7385, 3.4942



# Previews

## White Background



This preview shows how the XYZ color 52.3668, 71.3164, 39.8596 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

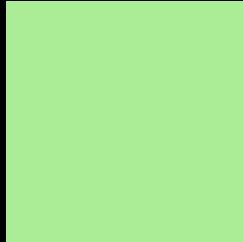
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.3668, 71.3164, 39.8596 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 52.3668, 71.3164, 39.8596**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.3668, 71.3164, 39.8596.



This preview shows how white text looks on a background with the XYZ color 52.3668, 71.3164,



# 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



<b>Original Color</b>
52.3668, 71.3164, 39.8596
<b>Protanopia</b>
65.5493, 70.8233, 36.2021
<b>Deuteranopia</b>
71.4172, 70.6017, 45.9398



## Tritanopia

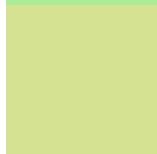
63.7752, 71.3635, 96.0012

# Trichromacy



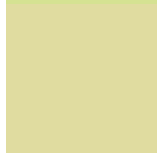
## Original Color

52.3668, 71.3164, 39.8596



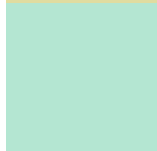
## Protanomaly

59.8252, 70.6142, 37.6709



## Deuteranomaly

62.6788, 69.5718, 43.3829



## Tritanomaly

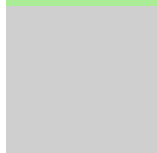
58.7521, 70.9501, 71.5709

# Monochromacy



## Original Color

52.3668, 71.3164, 39.8596



## Achromatopsia

59.3074, 62.3960, 67.9493



## Achromatomaly

56.1825, 65.1573, 56.0699

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.3668, 71.3164, 39.8596 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(170, 237, 150)` looks like.

```
.text, #text, p{  
    color:rgb(170, 237, 150)  
}
```

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(170, 237, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 237, 150) }
```

## Border

The CSS property to change the border of an element to XYZ 52.3668, 71.3164, 39.8596 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(170, 237, 150) }
```



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

```
.border{ border-color:rgb(170, 237, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 237, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 237, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 237, 150);  
box-shadow:4px 4px 4px 4px rgb(170, 237,  
150) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.3668, 71.3164, 39.8596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 237, 150) }
```

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

```
.background{ background-color: rgb(170,  
237, 150) }
```

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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