

Converting Colors

XYZ(51.1018, 67.4050, 43.8758)

Have a look what the booklet for
XYZ(51.1018, 67.4050, 43.8758)
contains.

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Color

**XYZ(51.3074, 67.7129,
44.0839)**

Conversions

Conversions Part 1

Format	Color
Hex	AAE6A1
RGB	170, 230, 161
RGB Percent	67%, 90%, 63%
CMY	0.3333, 0.0980, 0.3686
CMYK	0.26, 0.00, 0.30, 0.10
HSL	112°, 58%, 77%
HSV	112°, 30%, 90%
XYZ	51.3074, 67.7129, 44.0839
YIQ	204.1940, -13.6110, -34.1790

Conversions

Conversions Part 2

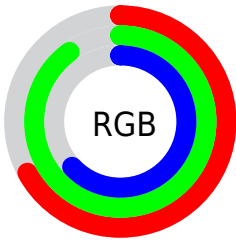
Format	Color
RYB	161, 230, 221
Decimal	11200161
CIELab	85.86, -31.95, 27.67
CIELCh	86, 42.263, 139.107
Yxy	67.7129, 0.3146, 0.4152
Android (android.graphics.Color)	4289390241 (0xFFAAE6A1)
YUV	204.1940, -21.2946, -29.9881
Hunter-Lab	82.2878, -32.7070, 25.8382

Details

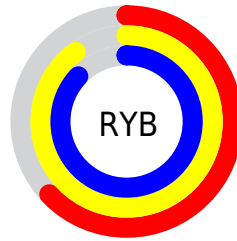
The XYZ color **51.3074, 67.7129, 44.0839** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **56.8495, 46.5771, 80.8605**, and the grayscale version is **57.6553, 60.6579, 66.0564**.

A 20% lighter version of the original color is **79.5187, 92.6466, 78.6573**, and **25.0988, 35.0892, 19.9181** is the 20% darker color. If you saturate the color by 10%, you get **45.4634, 64.9154, 34.1791**, and if you desaturate by 10%, it is **58.1859, 71.0045, 55.9874**.

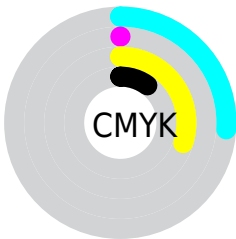
Distribution



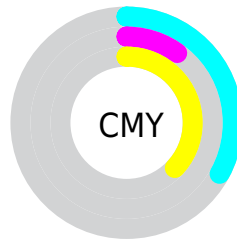
- Red (67%)
- Green (90%)
- Blue (63%)



- Red (63%)
- Yellow (90%)
- Blue (87%)



- Cyan (26%)
- Magenta (0%)
- Yellow (30%)
- Black (10%)





- Cyan (33%)
- Magenta (10%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.3074, 67.7129, 44.0839 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 51.3074, 67.7129, 44.0839 by changing the saturation by 10% instead.


 51.3074, 67.7129,
44.0839


 51.3074, 67.7129,
44.0839


382.1249,
452.4781, 379.1019

 36.6753, 49.6642,
30.3988


 91.2893, 115.9413,
82.6478

 25.1287, 35.1467,
19.8869


 117.3698,
146.8899, 108.3637

 16.3022, 23.7759,
12.1296


147.9973,
182.9071, 138.9269

 9.8305, 15.1674,
6.7084

183.5369,
224.3775, 174.7560

 5.3481, 8.9370,
3.2047

224.3541,
271.6854, 216.2695

 2.4898, 4.7001,
1.2001

270.8143,

 0.8901, 2.0724,

325.2152, 263.8859

0.0000

323.2828,
385.3513, 318.0239

0.0000, 0.6490,
0.0000

0.0000, 0.0000,
0.0000

51.3074, 67.7129,
44.0839

51.3074, 67.7129,
44.0839

45.4634, 64.9154,
34.1791

58.1859, 71.0045,
55.9874

40.5985, 62.5799,
26.1594

66.1402, 74.8036,
69.9861

36.6601, 60.6839,
19.9064

75.2160, 79.1333,
86.1755

33.5885, 59.1995,
15.2866

85.4545, 84.0133,
104.6442

■ 31.3168, 58.0956,
12.1477

■ 87.5882, 85.0764,
106.4127

■ 29.7680, 57.3362,
10.3086

■ 28.8335, 56.8723,
9.4578

Harmonies

Analogous

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



58.4653, 67.7129, 34.0028



51.3074, 67.7129, 44.0839



47.7794, 67.7129, 64.1194

Triad

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



51.3074, 67.7129, 44.0839



60.9103, 67.7129, 139.3199



83.5663, 67.7129, 57.6416

Complementary

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



51.3074, 67.7129, 44.0839



56.8495, 46.5771, 80.8605

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.



84.3889, 67.7129, 84.2511



51.3074, 67.7129, 44.0839



70.6362, 67.7129, 136.3258

Square

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



51.3074, 67.7129, 44.0839



52.9428, 67.7129, 121.7268



79.4553, 67.7129, 114.3508



77.3088, 67.7129, 40.3676

Rectangle

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



51.3074, 67.7129, 44.0839



47.6970, 67.7129, 82.4771



79.4553, 67.7129, 114.3508



84.5095, 67.7129, 65.6203

Sweetspot

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



51.3092, 67.7158, 44.0854



84.6077, 95.0185, 90.2623



64.8728, 71.0068, 44.0057



17.7718, 20.1767, 18.7212



0.0000, 0.0000, 0.0000



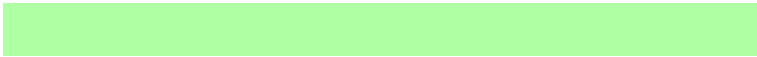
20.3446, 21.4041, 23.3091

Same Dimension

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



51.3092, 67.7158, 44.0854



60.1066, 83.3054, 47.6560



51.8918, 67.7317, 56.9621



14.3632, 16.1788, 15.2702



16.3798, 32.2256, 5.3569



1.2671, 2.4106, 0.3985

Inverse Universe

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



56.8495, 46.5771, 80.8605



68.1546, 52.5452, 101.1578



56.3637, 46.7078, 63.6152



14.8005, 14.5149, 18.1659



21.6463, 10.2250, 43.2159



1.6513, 0.7823, 3.1959

Previews

White Background



This preview shows how the XYZ color 51.3074, 67.7129, 44.0839 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 51.3074, 67.7129, 44.0839 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 51.3074, 67.7129, 44.0839

Background



This preview shows how black text looks on a background with the XYZ color 51.3074, 67.7129, 44.0839.



This preview shows how white text looks on a background with the XYZ color 51.3074, 67.7129,

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

51.3074, 67.7129, 44.0839

Protanopia

62.5124, 67.2492, 40.2575

Deuteranopia

68.4979, 66.9250, 45.3840



Tritanopia

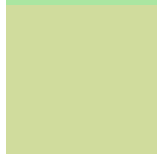
60.5543, 67.4267, 90.7120

Trichromacy



Original Color

51.3074, 67.7129, 44.0839



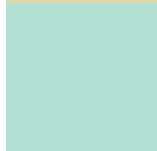
Protanomaly

57.6914, 67.0306, 41.7958



Deuteranomaly

60.8716, 66.3031, 44.7115



Tritanomaly

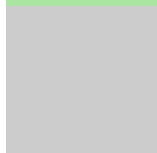
56.6486, 67.4294, 71.0023

Monochromacy



Original Color

51.3074, 67.7129, 44.0839



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

54.6096, 62.4258, 56.7481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3074, 67.7129, 44.0839 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, 230, 161)` looks like.

```
.text, #text, p{  
    color:rgb(170, 230, 161)  
}
```

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, 230, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 230, 161) }
```

Border

The CSS property to change the border of an element to XYZ 51.3074, 67.7129, 44.0839 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, 230, 161) }
```


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

```
.border{ border-color:rgb(170, 230, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 230, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 230, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 230, 161);  
box-shadow:4px 4px 4px 4px rgb(170, 230,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3074, 67.7129, 44.0839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 230, 161) }
```

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

```
.background{ background-color: rgb(170,  
230, 161) }
```

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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