

Converting Colors

XYZ(51.6396, 66.9669, 44.3692)

Have a look what the booklet for
XYZ(51.6396, 66.9669, 44.3692)
contains.

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Color

**XYZ(51.7205, 67.0941,
44.4069)**

Conversions

Conversions Part 1

Format	Color
Hex	AEE4A2
RGB	174, 228, 162
RGB Percent	68%, 89%, 64%
CMY	0.3176, 0.1059, 0.3647
CMYK	0.24, 0.00, 0.29, 0.11
HSL	109°, 55%, 76%
HSV	109°, 29%, 89%
XYZ	51.7205, 67.0941, 44.4069
YIQ	204.3300, -10.9980, -31.9740

Conversions

Conversions Part 2

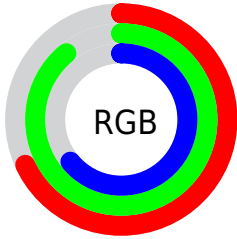
Format	Color
RYB	162, 228, 216
Decimal	11461794
CIELab	85.55, -29.52, 26.77
CIELCh	86, 39.849, 137.793
Yxy	67.0941, 0.3169, 0.4111
Android (android.graphics.Color)	4289651874 (0xFFAEE4A2)
YUV	204.3300, -20.8687, -26.5994
Hunter-Lab	81.9110, -30.6352, 25.1944

Details

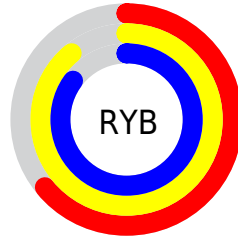
The XYZ color **51.7205, 67.0941, 44.4069** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **55.2458, 46.0430, 79.3778**, and the grayscale version is **57.7377, 60.7445, 66.1508**.

A 20% lighter version of the original color is **80.9175, 93.3527, 79.3997**, and **25.3127, 34.6239, 20.1008** is the 20% darker color. If you saturate the color by 10%, you get **46.0036, 64.3622, 34.5019**, and if you desaturate by 10%, it is **58.3857, 70.2763, 56.2772**.

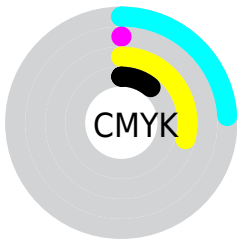
Distribution



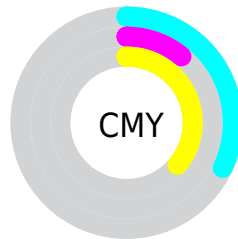
- Red (68%)
- Green (89%)
- Blue (64%)



- Red (64%)
- Yellow (89%)
- Blue (85%)



- Cyan (24%)
- Magenta (0%)
- Yellow (29%)
- Black (11%)



- Cyan (32%)
- Magenta (11%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7205, 67.0941, 44.4069 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 51.7205, 67.0941, 44.4069 by changing the saturation by 10% instead.


 51.7205, 67.0941,
44.4069

 51.7205, 67.0941,
44.4069

383.6983,
450.2796, 380.4560

 37.0057, 49.1611,
30.6510


 91.8956, 115.0552,
83.1387

 25.3856, 34.7473,
20.0770


 118.0866,
145.8522, 108.9516

 16.4948, 23.4683,
12.2664


148.8337,
181.7059, 139.6206

 9.9680, 14.9397,
6.8006

184.5023,
223.0007, 175.5643

 5.4399, 8.7770,
3.2612

225.4576,
270.1211, 217.2011

 2.5450, 4.5960,
1.2295

272.0652,

 0.9180, 2.0123,

323.4515, 264.9496

0.0029

324.6903,
383.3762, 319.2284

0.0000, 0.6146,
0.0000

0.0000, 0.0000,
0.0000

51.7205, 67.0941,
44.4069

51.7205, 67.0941,
44.4069

46.0036, 64.3622,
34.5019

58.3857, 70.2763,
56.2772

41.1862, 62.0520,
26.4521

66.0346, 73.9191,
70.2062

37.2231, 60.1444,
20.1431

74.7072, 78.0430,
86.2867

34.0627, 58.6159,
15.4464

84.4397, 82.6649,
104.6045

■ 31.6479, 57.4400,
12.2153

■ 87.0348, 83.9695,
106.2283

■ 29.9132, 56.5869,
10.2768

■ 28.7715, 56.0173,
9.3649

■ 28.6772, 55.9702,
9.2919

Harmonies

Analogous

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



58.5955, 67.0941, 35.1091



51.7205, 67.0941, 44.4069



48.2179, 67.0941, 63.0068

Triad

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



51.7205, 67.0941, 44.4069



60.1588, 67.0941, 133.4547



81.8334, 67.0941, 58.8473

Complementary

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



51.7205, 67.0941, 44.4069



55.2458, 46.0430, 79.3778

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.



82.3532, 67.0941, 84.1164



51.7205, 67.0941, 44.4069



69.2425, 67.0941, 131.5833

Square

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



51.7205, 67.0941, 44.4069



52.7714, 67.0941, 116.5797



77.5612, 67.0941, 111.9484



76.2017, 67.0941, 41.9857

Rectangle

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



51.7205, 67.0941, 44.4069



48.0249, 67.0941, 80.0284



77.5612, 67.0941, 111.9484



82.6298, 67.0941, 66.4972

Sweetspot

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



51.7222, 67.0970, 44.4084



84.9984, 95.2199, 90.2806



63.0496, 68.1663, 44.0177



17.8673, 20.2259, 18.7256



0.0000, 0.0000, 0.0000



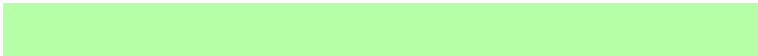
20.3446, 21.4041, 23.3091

Same Dimension

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



51.7222, 67.0970, 44.4084



61.9054, 84.2060, 48.9469



51.1826, 66.5860, 54.9016



14.4325, 16.2145, 15.2735



16.6298, 32.3544, 5.3686



1.2999, 2.4275, 0.4000

Inverse Universe

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



55.2458, 46.0430, 79.3778



67.1616, 52.7133, 101.2426



56.1924, 46.8463, 65.1788



14.7247, 14.4758, 18.1624



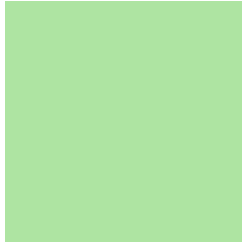
19.9493, 9.3501, 43.1365



1.5413, 0.7256, 3.1908

Previews

White Background



This preview shows how the XYZ color 51.7205, 67.0941, 44.4069 looks on a white background.

Color Contrast Check

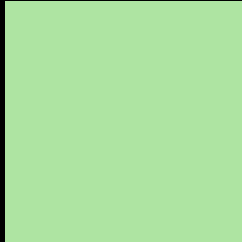
Large Text (above 18pt) WCAG AA × Fail

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 51.7205, 67.0941, 44.4069 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

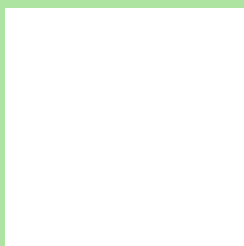
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.7205, 67.0941, 44.4069

Background



This preview shows how black text looks on a background with the XYZ color 51.7205, 67.0941, 44.4069.



This preview shows how white text looks on a background with the XYZ color 51.7205, 67.0941,

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

51.7205, 67.0941, 44.4069

Protanopia

62.0237, 66.6131, 40.5990

Deuteranopia

67.8733, 66.5924, 45.8355



Tritanopia

60.4614, 66.6380, 89.0327

Trichromacy



Original Color

51.7205, 67.0941, 44.4069



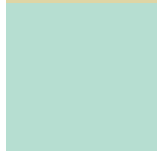
Protanomaly

57.5375, 66.1667, 42.0867



Deuteranomaly

60.7100, 65.8347, 45.1049



Tritanomaly

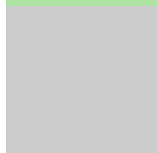
56.9213, 66.7911, 70.2135

Monochromacy



Original Color

51.7205, 67.0941, 44.4069



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

54.9719, 62.6001, 57.3298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7205, 67.0941, 44.4069 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(174, 228, 162)` looks like.

```
.text, #text, p{  
    color:rgb(174, 228, 162)  
}
```

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(174, 228, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 228, 162) }
```

Border

The CSS property to change the border of an element to XYZ 51.7205, 67.0941, 44.4069 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(174, 228, 162) }
```


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

```
.border{ border-color:rgb(174, 228, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 228, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 228, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 228, 162);  
box-shadow:4px 4px 4px 4px rgb(174, 228,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7205, 67.0941, 44.4069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 228, 162) }
```

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

```
.background{ background-color: rgb(174,  
228, 162) }
```

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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