

Converting Colors

XYZ(51.0928, 67.1110, 41.1398)

Have a look what the booklet for
XYZ(51.0928, 67.1110, 41.1398)
contains.

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Color

**XYZ(51.1693, 67.2894,
41.3016)**

Conversions

Conversions Part 1

Format	Color
Hex	ADE59B
RGB	173, 229, 155
RGB Percent	68%, 90%, 61%
CMY	0.3216, 0.1019, 0.3921
CMYK	0.24, 0.00, 0.32, 0.10
HSL	105°, 59%, 75%
HSV	105°, 32%, 90%
XYZ	51.1693, 67.2894, 41.3016
YIQ	203.8200, -9.6220, -34.8860

Conversions

Conversions Part 2

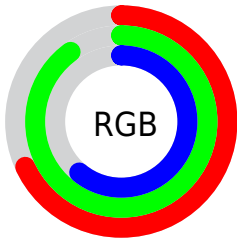
Format	Color
RYB	155, 229, 211
Decimal	11396507
CIELab	85.65, -31.40, 30.48
CIELCh	86, 43.759, 135.847
Yxy	67.2894, 0.3203, 0.4212
Android (android.graphics.Color)	4289586587 (0xFFADE59B)
YUV	203.8200, -24.0683, -27.0291
Hunter-Lab	82.0301, -32.2068, 27.5690

Details

The XYZ color **51.1693, 67.2894, 41.3016** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **52.7310, 42.9507, 79.6434**, and the grayscale version is **57.4338, 60.4249, 65.8027**.

A 20% lighter version of the original color is **80.0260, 92.9961, 74.7050**, and **24.9995, 34.7884, 18.2292** is the 20% darker color. If you saturate the color by 10%, you get **45.8390, 64.7451, 31.9474**, and if you desaturate by 10%, it is **57.3649, 70.2417, 52.6029**.

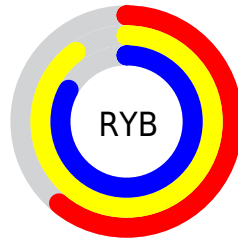
Distribution



Red (68%)

Green (90%)

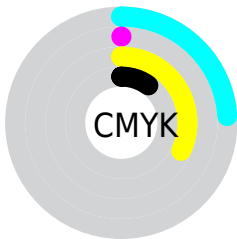
Blue (61%)



Red (61%)

Yellow (90%)

Blue (83%)

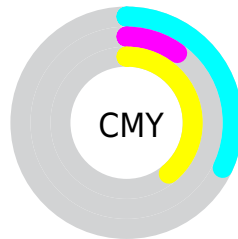


Cyan (24%)

Magenta (0%)

Yellow (32%)

Black (10%)



Cyan (32%)


Magenta (10%)


Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1693, 67.2894, 41.3016 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 51.1693, 67.2894, 41.3016 by changing the saturation by 10% instead.


 51.1693, 67.2894,
41.3016


 51.1693, 67.2894,
41.3016


381.5980,
450.9742, 367.2935

 36.5650, 49.3199,
28.2333


 91.0865, 115.3350,
78.4002

 25.0430, 34.8733,
18.2611

 117.1300,
146.1798, 103.2676

 16.2380, 23.5653,
10.9662


147.7173,
182.0852, 132.9051

 9.7846, 15.0115,
5.9302

183.2138,
223.4355, 167.7313

 5.3176, 8.8274,
2.7346

223.9847,
270.6152, 208.1646

 2.4714, 4.6288,
0.9608


270.3955,


 0.8809, 2.0312,


324.0086, 254.6238


0.0000


322.8115,
384.0001, 307.5272


 0.0000, 0.6255,
0.0000


 0.0000, 0.0000,
0.0000


 51.1693, 67.2894,
41.3016


 51.1693, 67.2894,
41.3016


 45.8390, 64.7451,
31.9474


 57.3649, 70.2417,
52.6029


 41.3293, 62.5821,
24.4262

 64.4577, 73.6101,
65.9480

 37.5989, 60.7836,
18.6185

 72.4842, 77.4135,
81.4325

 34.6007, 59.3285,
14.3894

 81.4773, 81.6669,
99.1448

■ 32.2820, 58.1929,
11.5833

■ 87.3107, 84.5213,
106.3202

■ 30.5820, 57.3495,
10.0130

■ 29.6347, 56.8734,
9.4158

Harmonies

Analogous

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



58.8652, 67.2894, 32.1376



51.1693, 67.2894, 41.3016



47.1168, 67.2894, 60.6504

Triad

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



51.1693, 67.2894, 41.3016



59.3846, 67.2894, 140.4049



84.2188, 67.2894, 59.2790

Complementary

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



51.1693, 67.2894, 41.3016



52.7310, 42.9507, 79.6434

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.



84.3952, 67.2894, 87.5215



51.1693, 67.2894, 41.3016



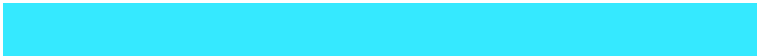
69.3334, 67.2894, 139.7579

Square

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



51.1693, 67.2894, 41.3016



51.5154, 67.2894, 120.1179



78.7142, 67.2894, 118.5295



78.2550, 67.2894, 40.5235

Rectangle

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



51.1693, 67.2894, 41.3016



46.7248, 67.2894, 79.0010



78.7142, 67.2894, 118.5295



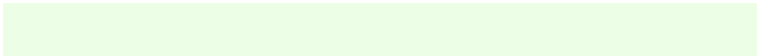
84.9763, 67.2894, 67.8168

Sweetspot

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



51.1710, 67.2923, 41.3031



84.4660, 94.9870, 88.3778



61.4025, 65.3680, 40.3924



17.7819, 20.1901, 18.3476



0.0000, 0.0000, 0.0000



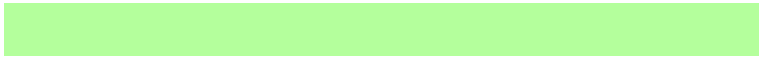
20.3446, 21.4041, 23.3091

Same Dimension

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



51.1710, 67.2923, 41.3031



60.4841, 83.5769, 44.1972



49.1303, 66.0467, 49.9497



14.5160, 16.2575, 15.2774



17.0338, 32.5627, 5.3875



1.3412, 2.4488, 0.4020

Inverse Universe

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



52.7310, 42.9507, 79.6434



62.7575, 47.8039, 100.5271



55.7322, 44.7806, 67.0088



14.6347, 14.4294, 18.1582



18.0917, 8.3925, 43.0495



1.4190, 0.6625, 3.1851

Previews

White Background



This preview shows how the XYZ color 51.1693, 67.2894, 41.3016 looks on a white background.

Color Contrast Check

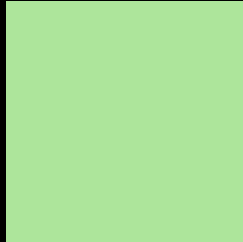
Large Text (above 18pt) WCAG AA × Fail

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 51.1693, 67.2894, 41.3016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

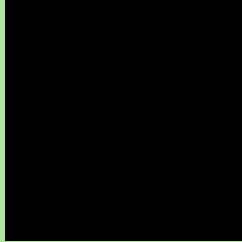
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1693, 67.2894, 41.3016

Background



This preview shows how black text looks on a background with the XYZ color 51.1693, 67.2894, 41.3016.

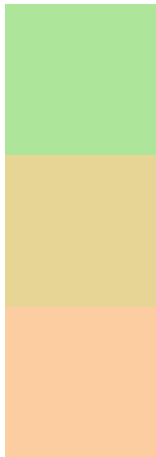


This preview shows how white text looks on a background with the XYZ color 51.1693, 67.2894,

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

51.1693, 67.2894, 41.3016

Protanopia

61.7727, 66.5496, 37.6066

Deuteranopia

67.9601, 66.7099, 42.5521



Tritanopia

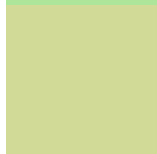
60.7215, 67.1583, 89.1194

Trichromacy



Original Color

51.1693, 67.2894, 41.3016



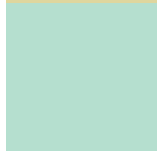
Protanomaly

57.2119, 66.4527, 39.0894



Deuteranomaly

60.6495, 66.2497, 41.9387



Tritanomaly

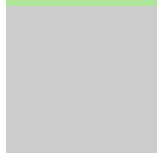
56.7062, 67.1041, 68.9951

Monochromacy



Original Color

51.1693, 67.2894, 41.3016



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

54.6495, 62.4711, 55.6322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1693, 67.2894, 41.3016 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(173, 229, 155)` looks like.

```
.text, #text, p{  
    color:rgb(173, 229, 155)  
}
```

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(173, 229, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 229, 155) }
```

Border

The CSS property to change the border of an element to XYZ 51.1693, 67.2894, 41.3016 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(173, 229, 155) }
```


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

```
.border{ border-color:rgb(173, 229, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 229, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(173, 229, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(173, 229, 155); box-shadow:4px 4px 4px 4px rgb(173, 229, 155) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1693, 67.2894, 41.3016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 229, 155) }
```

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

```
.background{ background-color: rgb(173,  
229, 155) }
```

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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