

Converting Colors

XYZ(51.5301, 67.2990, 43.9262)

Have a look what the booklet for
XYZ(51.5301, 67.2990, 43.9262)
contains.

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Color

**XYZ(51.6859, 67.4961,
44.0221)**

Conversions

Conversions Part 1

Format	Color
Hex	ADE5A1
RGB	173, 229, 161
RGB Percent	68%, 90%, 63%
CMY	0.3216, 0.1019, 0.3686
CMYK	0.24, 0.00, 0.30, 0.10
HSL	109°, 57%, 76%
HSV	109°, 30%, 90%
XYZ	51.6859, 67.4961, 44.0221
YIQ	204.5040, -11.5480, -33.0200

Conversions

Conversions Part 2

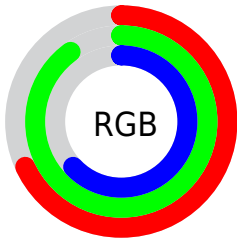
Format	Color
RYB	161, 229, 217
Decimal	11396513
CIELab	85.75, -30.48, 27.55
CIELCh	86, 41.086, 137.891
Yxy	67.4961, 0.3167, 0.4136
Android (android.graphics.Color)	4289586593 (0xFFADE5A1)
YUV	204.5040, -21.4475, -27.6290
Hunter-Lab	82.1560, -31.4753, 25.7395

Details

The XYZ color **51.6859, 67.4961, 44.0221** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **55.5060, 45.9006, 80.0666**, and the grayscale version is **57.8519, 60.8647, 66.2816**.

A 20% lighter version of the original color is **80.4678, 93.1359, 78.7017**, and **25.3116, 34.9132, 19.8729** is the 20% darker color. If you saturate the color by 10%, you get **45.9688, 64.7632, 34.1611**, and if you desaturate by 10%, it is **58.3652, 70.6863, 55.8616**.

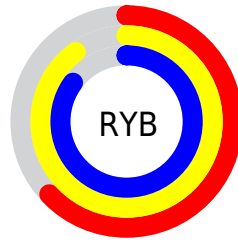
Distribution



Red (68%)

Green (90%)

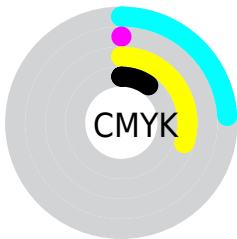
Blue (63%)



Red (63%)

Yellow (90%)

Blue (85%)

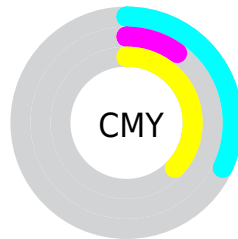


Cyan (24%)

Magenta (0%)

Yellow (30%)

Black (10%)



Cyan (32%)


Magenta (10%)


Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6859, 67.4961, 44.0221 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 51.6859, 67.4961, 44.0221 by changing the saturation by 10% instead.


 51.6859, 67.4961,
44.0221


 51.6859, 67.4961,
44.0221

383.5667,
451.7086, 378.8424

 36.9780, 49.4879,
30.3506


 91.8448, 115.6310,
82.5538

 25.3641, 35.0067,
19.8505


 118.0266,
146.5265, 108.2511

 16.4787, 23.6680,
12.1034


148.7637,
182.4865, 138.7940

 9.9565, 15.0875,
6.6908

184.4215,
223.8954, 174.6012

 5.4322, 8.8808,
3.1940

225.3653,
271.1377, 216.0910

 2.5403, 4.6635,
1.1945

271.9606,

 0.9156, 2.0512,

324.5978, 263.6822

0.0000

324.5726,
384.6599, 317.7931

0.0000, 0.6370,
0.0000

0.0000, 0.0000,
0.0000

51.6859, 67.4961,
44.0221

51.6859, 67.4961,
44.0221

45.9688, 64.7632,
34.1611

58.3652, 70.6863,
55.8616

41.1637, 62.4581,
26.1665

66.0431, 74.3444,
69.7744

37.2242, 60.5613,
19.9218

74.7606, 78.4916,
85.8550

34.0971, 59.0484,
15.2959

84.5550, 83.1450,
104.1903

■ 31.7234, 57.8921,
12.1390

■ 87.3107, 84.5214,
106.3202

■ 30.0353, 57.0614,
10.2734

■ 28.9382, 56.5139,
9.4031

■ 28.9116, 56.5007,
9.3819

Harmonies

Analogous

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



58.7722, 67.4961, 34.4929



51.6859, 67.4961, 44.0221



48.0906, 67.4961, 63.1844

Triad

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



51.6859, 67.4961, 44.0221



60.4451, 67.4961, 136.4182



82.8848, 67.4961, 58.7432

Complementary

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



51.6859, 67.4961, 44.0221



55.5060, 45.9006, 80.0666

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.



83.4445, 67.4961, 84.8633



51.6859, 67.4961, 44.0221



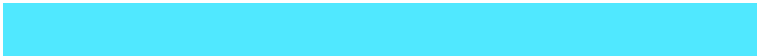
69.8526, 67.4961, 134.3920

Square

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



51.6859, 67.4961, 44.0221



52.8075, 67.4961, 118.8376



78.4792, 67.4961, 113.8350



77.0172, 67.4961, 41.4562

Rectangle

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



51.6859, 67.4961, 44.0221



47.9008, 67.4961, 80.8112



78.4792, 67.4961, 113.8350



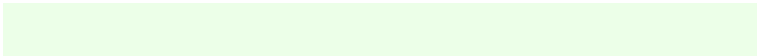
83.7193, 67.4961, 66.6282

Sweetspot

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



51.6876, 67.4990, 44.0236



84.9577, 95.1989, 90.2787



63.4418, 68.6199, 43.6204



17.8573, 20.2208, 18.7252



0.0000, 0.0000, 0.0000



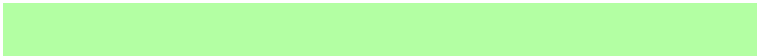
20.3446, 21.4041, 23.3091

Same Dimension

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



51.6876, 67.4990, 44.0236



61.0712, 83.8027, 47.7011



51.2181, 67.0183, 54.7835



14.4252, 16.2108, 15.2732



16.6002, 32.3392, 5.3672



1.2965, 2.4257, 0.3999

Inverse Universe

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



55.5060, 45.9006, 80.0666



66.7127, 51.8018, 101.0904



56.3801, 46.6774, 65.3718



14.7326, 14.4799, 18.1627



20.1197, 9.4380, 43.1445



1.5524, 0.7313, 3.1913

Previews

White Background



This preview shows how the XYZ color 51.6859, 67.4961, 44.0221 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 51.6859, 67.4961, 44.0221 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

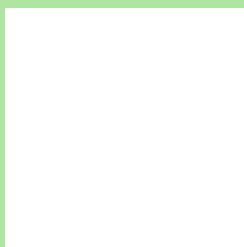
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.6859, 67.4961, 44.0221

Background



This preview shows how black text looks on a background with the XYZ color 51.6859, 67.4961, 44.0221.



This preview shows how white text looks on a background with the XYZ color 51.6859, 67.4961,

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

51.6859, 67.4961, 44.0221

Protanopia

62.2601, 66.7446, 40.1734

Deuteranopia

68.1386, 66.7398, 45.3672



Tritanopia

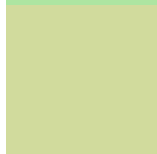
60.8673, 67.2166, 89.8868

Trichromacy



Original Color

51.6859, 67.4961, 44.0221



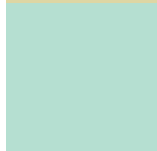
Protanomaly

57.7118, 66.6527, 41.7218



Deuteranomaly

60.8716, 66.3031, 44.7115



Tritanomaly

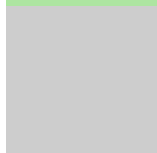
56.9524, 67.2026, 70.2913

Monochromacy



Original Color

51.6859, 67.4961, 44.0221



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

55.2242, 63.1047, 57.4139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6859, 67.4961, 44.0221 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, 161)` looks like.

```
.text, #text, p{  
    color:rgb(173, 229, 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(173, 229, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 229, 161) }
```

Border

The CSS property to change the border of an element to XYZ 51.6859, 67.4961, 44.0221 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, 161) }
```


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

```
.border{ border-color:rgb(173, 229, 161) }
```

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, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 229, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 229, 161);  
box-shadow:4px 4px 4px 4px rgb(173, 229,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6859, 67.4961, 44.0221 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, 161) }
```

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

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