

Converting Colors

XYZ(59.5162, 73.0636, 33.0678)

Have a look what the booklet for
XYZ(59.5162, 73.0636, 33.0678)
contains.

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Color

**XYZ(59.3847, 72.9620,
33.1435)**

Conversions

Conversions Part 1

Format	Color
Hex	D1E885
RGB	209, 232, 133
RGB Percent	82%, 91%, 52%
CMY	0.1804, 0.0902, 0.4784
CMYK	0.10, 0.00, 0.43, 0.09
HSL	74°, 68%, 72%
HSV	74°, 43%, 91%
XYZ	59.3847, 72.9620, 33.1435
YIQ	213.8370, 18.0710, -35.6650

Conversions

Conversions Part 2

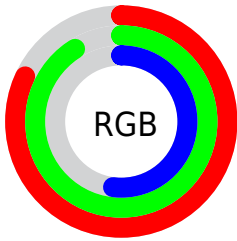
Format	Color
RYB	133, 232, 156
Decimal	13756549
CIELab	88.43, -22.68, 45.51
CIELCh	88, 50.852, 116.488
Yxy	72.9620, 0.3588, 0.4409
Android (android.graphics.Color)	4291946629 (0xFFD1E885)
YUV	213.8370, -39.8526, -4.2420
Hunter-Lab	85.4178, -25.3832, 36.7870

Details

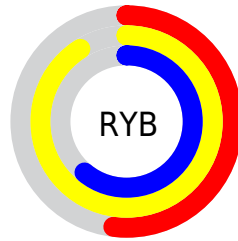
The XYZ color **59.3847, 72.9620, 33.1435** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **36.6662, 29.6712, 80.1428**, and the grayscale version is **64.0595, 67.3956, 73.3938**.

A 20% lighter version of the original color is **86.0771, 96.4108, 61.6494**, and **30.1474, 38.4171, 13.6109** is the 20% darker color. If you saturate the color by 10%, you get **56.4566, 71.6201, 25.5440**, and if you desaturate by 10%, it is **62.7221, 74.4787, 42.6129**.

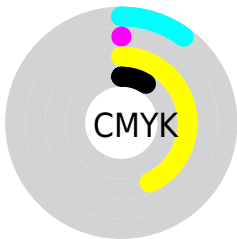
Distribution



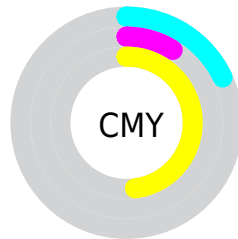
- Red (82%)
- Green (91%)
- Blue (52%)



- Red (52%)
- Yellow (91%)
- Blue (61%)



- Cyan (10%)
- Magenta (0%)
- Yellow (43%)
- Black (9%)



- Cyan (18%)
- Magenta (9%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.3847, 72.9620, 33.1435 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 59.3847, 72.9620, 33.1435 by changing the saturation by 10% instead.

■ 59.3847, 72.9620,
33.1435

■ 59.3847, 72.9620,
33.1435

412.1972,
470.8831, 330.9477

■ 43.1704, 53.9449,
21.9644

■ 103.0480,
123.4233, 65.7181

■ 30.2140, 38.5576,
13.6327

■ 131.2278,
155.6362, 87.9507

■ 20.1499, 26.4157,
7.7298

■ 164.1267,
193.0166, 114.7048

■ 12.6130, 17.1349,
3.8373

202.1103,
235.9487, 146.3990

■ 7.2377, 10.3307,
1.5365

245.5438,
284.8170, 183.4518

■ 3.6589, 5.6188,
0.2449

294.7925,

■ 1.5110, 2.6147,

340.0059, 226.2819

0.0000

350.2219,
401.8998, 275.3076

0.3333, 0.9341,
0.0000

0.0000, 0.0000,
0.0000

59.3847, 72.9620,
33.1435

59.3847, 72.9620,
33.1435

56.4566, 71.6201,
25.5440

62.7221, 74.4787,
42.6129

53.9083, 70.4334,
19.6855


66.4852, 76.1692,
54.0604


51.7147, 69.3944,
15.4304

70.6961, 78.0449,
67.5913


49.8447, 68.4907,
12.6184


75.3737, 80.1134,
83.3022


 48.2611, 67.7073,
11.0555


 80.5355, 82.3817,
101.2838

 47.2397, 67.1924,
10.4796

 83.3026, 83.6984,
106.3726

 85.1739, 84.6631,
106.4602

 87.1002, 85.6562,
106.5504

 88.1482, 86.1965,
106.5994

Harmonies

Analogous

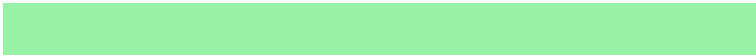
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.7978, 72.9620, 29.4179



59.3847, 72.9620, 33.1435



51.5397, 72.9620, 47.7738

Triad

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



59.3847, 72.9620, 33.1435



57.1644, 72.9620, 149.8191



95.5520, 72.9620, 83.6379

Complementary

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



59.3847, 72.9620, 33.1435



36.6662, 29.6712, 80.1428

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.



90.8484, 72.9620, 122.7024



59.3847, 72.9620, 33.1435



67.9185, 72.9620, 167.3475

Square

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



59.3847, 72.9620, 33.1435



50.3675, 72.9620, 113.4059



80.3681, 72.9620, 156.2009



92.5829, 72.9620, 53.0442

Rectangle

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



59.3847, 72.9620, 33.1435



48.9138, 72.9620, 64.7313



80.3681, 72.9620, 156.2009



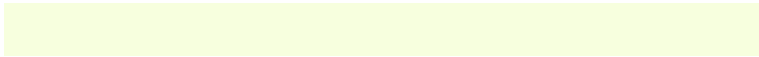
94.8031, 72.9620, 96.2307

Sweetspot

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



59.3865, 72.9653, 33.1450



87.3872, 96.6140, 83.0445



49.1450, 42.1115, 27.7294



18.4472, 20.5651, 16.9347



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.



59.3865, 72.9653, 33.1450



70.4411, 88.9715, 32.8459



47.8008, 66.9926, 32.6028



15.2570, 16.6396, 15.3121



26.3400, 37.3602, 5.8230



2.0262, 2.8019, 0.4340

Inverse Universe

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



36.6662, 29.6712, 80.1428



38.9276, 28.8600, 98.1266



47.8437, 35.4334, 80.6659



13.8947, 14.0479, 18.1235



9.0199, 3.7158, 42.6250



0.7471, 0.3161, 3.1536

Previews

White Background



This preview shows how the XYZ color 59.3847, 72.9620, 33.1435 looks on a white background.

Color Contrast Check

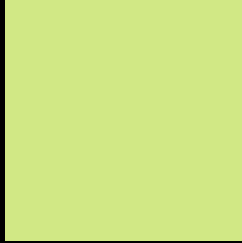
Large Text (above 18pt) WCAG AA × Fail

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 59.3847, 72.9620, 33.1435 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 59.3847, 72.9620, 33.1435

Background



This preview shows how black text looks on a background with the XYZ color 59.3847, 72.9620, 33.1435.

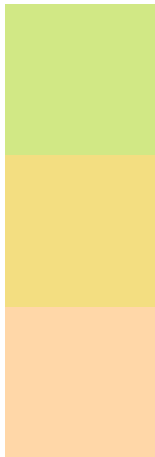


This preview shows how white text looks on a background with the XYZ color 59.3847, 72.9620,

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

59.3847, 72.9620, 33.1435

Protanopia

67.0459, 72.8822, 31.3029

Deuteranopia

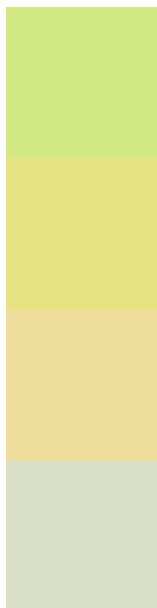
72.6083, 72.6880, 47.2491



Tritanopia

71.0035, 72.8304, 90.4362

Trichromacy



Original Color

59.3847, 72.9620, 33.1435

Protanomaly

64.1806, 72.9933, 31.8255

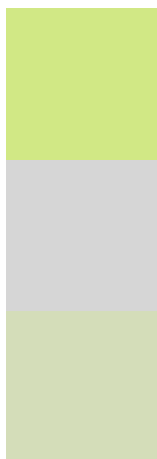
Deuteranomaly

67.0327, 72.2566, 41.4243

Tritanomaly

65.5797, 72.1865, 64.5098

Monochromacy



Original Color

59.3847, 72.9620, 33.1435

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

61.7648, 69.2127, 56.0030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.3847, 72.9620, 33.1435 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(209, 232, 133)` looks like.

```
.text, #text, p{  
    color:rgb(209, 232, 133)  
}
```

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(209, 232, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 232, 133) }
```

Border

The CSS property to change the border of an element to XYZ 59.3847, 72.9620, 33.1435 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(209, 232, 133) }
```


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

```
.border{ border-color:rgb(209, 232, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 232, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 232, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 232, 133);  
box-shadow:4px 4px 4px 4px rgb(209, 232,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 59.3847, 72.9620, 33.1435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 232, 133) }
```

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

```
.background{ background-color: rgb(209,  
232, 133) }
```

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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