

Converting Colors

XYZ(42.2390, 59.1205, 31.2845)

Have a look what the booklet for
XYZ(42.2390, 59.1205, 31.2845)
contains.

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Color

**XYZ(42.4045, 59.3639,
31.4137)**

Conversions

Conversions Part 1

Format	Color
Hex	96DC85
RGB	150, 220, 133
RGB Percent	59%, 86%, 52%
CMY	0.4118, 0.1372, 0.4784
CMYK	0.32, 0.00, 0.40, 0.14
HSL	108°, 55%, 69%
HSV	108°, 40%, 86%
XYZ	42.4045, 59.3639, 31.4137
YIQ	189.1520, -13.7930, -41.8970

Conversions

Conversions Part 2

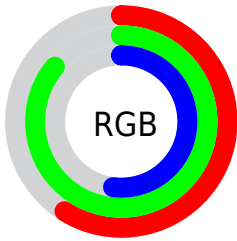
Format	Color
RYB	133, 220, 203
Decimal	9886853
CIELab	81.49, -38.16, 35.93
CIElCh	81, 52.419, 136.724
Yxy	59.3639, 0.3184, 0.4457
Android (android.graphics.Color)	4288076933 (0xFF96DC85)
YUV	189.1520, -27.6829, -34.3363
Hunter-Lab	77.0480, -36.5938, 29.7601

Details

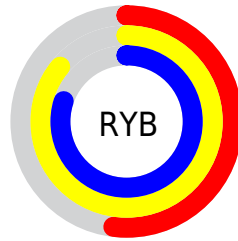
The XYZ color **42.4045, 59.3639, 31.4137** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **45.9371, 34.6407, 71.9785**, and the grayscale version is **48.6172, 51.1491, 55.7014**.

A 20% lighter version of the original color is **70.1832, 88.2297, 60.3447**, and **19.6223, 29.6469, 12.6709** is the 20% darker color. If you saturate the color by 10%, you get **38.0262, 57.2662, 24.0888**, and if you desaturate by 10%, it is **47.5963, 61.8477, 40.4408**.

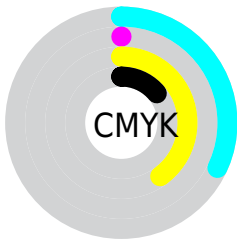
Distribution



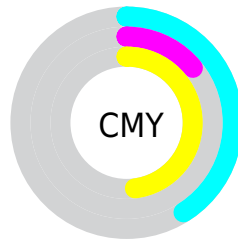
- Red (59%)
- Green (86%)
- Blue (52%)



- Red (52%)
- Yellow (86%)
- Blue (80%)



- Cyan (32%)
- Magenta (0%)
- Yellow (40%)
- Black (14%)



- Cyan (41%)
- Magenta (14%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4045, 59.3639, 31.4137 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 42.4045, 59.3639, 31.4137 by changing the saturation by 10% instead.

■ 42.4045, 59.3639,
31.4137

■ 42.4045, 59.3639,
31.4137

347.1202,
422.2491, 322.8498

■ 29.6106, 42.9061,
20.6530

■ 78.0728, 103.9064,
62.9780

■ 19.6898, 29.8115,
12.6818

■ 101.6779,
132.7599, 84.6187

■ 12.2767, 19.6955,
7.0817

■ 129.6175,
166.5140, 110.7231

■ 7.0060, 12.1739,
3.4340

162.2570,
205.5533, 141.7097

■ 3.5122, 6.8622,
1.3203

199.9616,
250.2621, 177.9972

■ 1.4301, 3.3761,
0.0783

243.0968,

■ 0.2775, 1.3311,

301.0247, 220.0040

0.0000

292.0279,
358.2256, 268.1486

■ 0.0000, 0.1651,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.4045, 59.3639,
31.4137

■ 42.4045, 59.3639,
31.4137

■ 38.0262, 57.2662,
24.0888

■ 47.5963, 61.8477,
40.4408

■ 34.4149, 55.5277,
18.3556


■ 53.6359, 64.7280,
51.2635


■ 31.5261, 54.1297,
14.0968


■ 60.5614, 68.0240,
63.9732

■ 29.3085, 53.0488,
11.1774


■ 68.4068, 71.7517,
78.6536

 27.7038, 52.2584,
9.4374

 77.2045, 75.9259,
95.3838

 26.6295, 51.7218,
8.6085

 84.8844, 79.6688,
105.5115

 26.5900, 51.7021,
8.5781

Harmonies

Analogous

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



50.5630, 59.3639, 22.2981



42.4045, 59.3639, 31.4137



38.2670, 59.3639, 51.7213

Triad

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



42.4045, 59.3639, 31.4137



51.7124, 59.3639, 143.1638



79.1574, 59.3639, 48.7505

Complementary

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



42.4045, 59.3639, 31.4137



45.9371, 34.6407, 71.9785

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.



79.5702, 59.3639, 79.5420



42.4045, 59.3639, 31.4137



62.7205, 59.3639, 141.5694

Square

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



42.4045, 59.3639, 31.4137



43.1515, 59.3639, 119.4171



73.2350, 59.3639, 115.5845



72.1711, 59.3639, 29.8498

Rectangle

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



42.4045, 59.3639, 31.4137



37.9444, 59.3639, 71.9796



73.2350, 59.3639, 115.5845



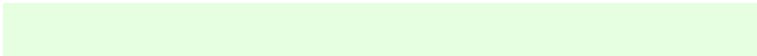
80.0983, 59.3639, 57.8119

Sweetspot

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



42.4060, 59.3664, 31.4150



82.0236, 93.8092, 84.5897



55.0130, 59.4350, 30.7638



17.2773, 19.9462, 17.5915



0.0000, 0.0000, 0.0000



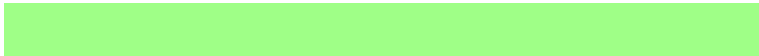
20.3446, 21.4041, 23.3091

Same Dimension

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



42.4060, 59.3664, 31.4150



54.3559, 80.6001, 35.6696



41.5346, 58.6824, 41.9855



13.1228, 14.7281, 13.8767



15.6761, 30.3788, 5.0375



1.0853, 2.0041, 0.3296

Inverse Universe

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



45.9371, 34.6407, 71.9785



59.8788, 41.6761, 99.4961



47.6313, 35.8828, 55.3980



13.3521, 13.1397, 16.4846



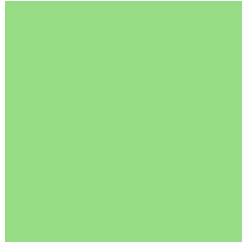
18.3164, 8.5666, 40.4265



1.2517, 0.5885, 2.6221

Previews

White Background



This preview shows how the XYZ color 42.4045, 59.3639, 31.4137 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 42.4045, 59.3639, 31.4137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

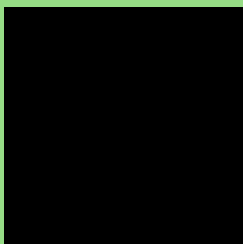
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

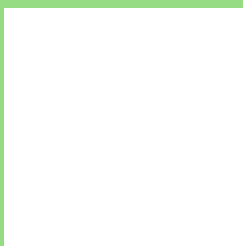
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.4045, 59.3639, 31.4137

Background



This preview shows how black text looks on a background with the XYZ color 42.4045, 59.3639, 31.4137.

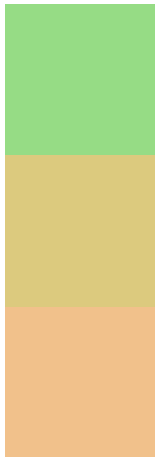


This preview shows how white text looks on a background with the XYZ color 42.4045, 59.3639,

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

42.4045, 59.3639, 31.4137

Protanopia

54.4016, 58.9631, 28.2524

Deuteranopia

60.0058, 58.7048, 32.5946



Tritanopia

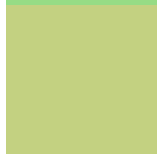
52.2538, 59.1989, 80.6240

Trichromacy



Original Color

42.4045, 59.3639, 31.4137



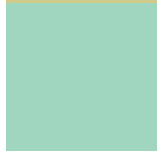
Protanomaly

49.2686, 58.7880, 29.5194



Deuteranomaly

51.8837, 57.9279, 32.1136



Tritanomaly

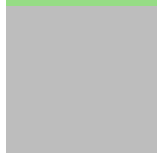
47.8059, 58.8679, 58.7122

Monochromacy



Original Color

42.4045, 59.3639, 31.4137



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

45.4949, 53.2871, 45.4237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4045, 59.3639, 31.4137 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(150, 220, 133)` looks like.

```
.text, #text, p{  
    color:rgb(150, 220, 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(150, 220, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 220, 133) }
```

Border

The CSS property to change the border of an element to XYZ 42.4045, 59.3639, 31.4137 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(150, 220, 133) }
```


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

```
.border{ border-color:rgb(150, 220, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 220, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 220, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 220, 133);  
box-shadow:4px 4px 4px 4px rgb(150, 220,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4045, 59.3639, 31.4137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 220, 133) }
```

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

```
.background{ background-color: rgb(150,  
220, 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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