

Converting Colors

XYZ(40.2514, 58.9848, 31.4925)

Have a look what the booklet for
XYZ(40.2514, 58.9848, 31.4925)
contains.

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Color

**XYZ(40.3466, 59.0869,
31.4687)**

Conversions

Conversions Part 1

Format	Color
Hex	87DE85
RGB	135, 222, 133
RGB Percent	53%, 87%, 52%
CMY	0.4706, 0.1294, 0.4784
CMYK	0.39, 0.00, 0.40, 0.13
HSL	119°, 57%, 70%
HSV	119°, 40%, 87%
XYZ	40.3466, 59.0869, 31.4687
YIQ	185.8410, -23.2830, -46.1230

Conversions

Conversions Part 2

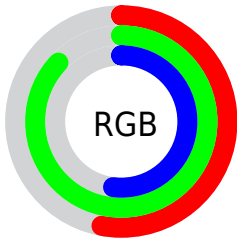
Format	Color
RYB	133, 222, 220
Decimal	8904325
CIELab	81.34, -43.79, 35.59
CIElCh	81, 56.434, 140.896
Yxy	59.0869, 0.3082, 0.4514
Android (android.graphics.Color)	4287094405 (0xFF87DE85)
YUV	185.8410, -26.0506, -44.5876
Hunter-Lab	76.8680, -40.8276, 29.5351

Details

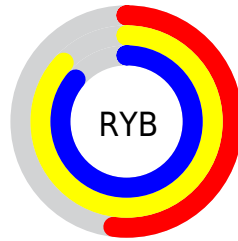
The XYZ color **40.3466, 59.0869, 31.4687** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **51.0902, 37.2664, 73.6107**, and the grayscale version is **46.7349, 49.1688, 53.5448**.

A 20% lighter version of the original color is **66.2155, 86.1842, 60.1590**, and **18.4675, 29.5871, 12.7202** is the 20% darker color. If you saturate the color by 10%, you get **35.8294, 56.9188, 24.0799**, and if you desaturate by 10%, it is **45.9026, 61.7565, 40.6006**.

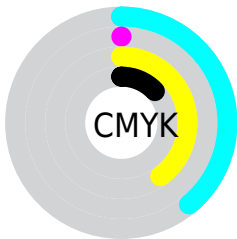
Distribution



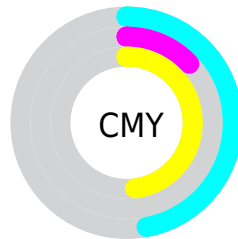
- Red (53%)
- Green (87%)
- Blue (52%)



- Red (52%)
- Yellow (87%)
- Blue (86%)



- Cyan (39%)
- Magenta (0%)
- Yellow (40%)
- Black (13%)





- Cyan (47%)
- Magenta (13%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3466, 59.0869, 31.4687 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 40.3466, 59.0869, 31.4687 by changing the saturation by 10% instead.


 40.3466, 59.0869,
31.4687


 40.3466, 59.0869,
31.4687


338.6917,
421.2239, 323.1097


 27.9943, 42.6831,
20.6946


 74.9720, 103.5040,
63.0654

 18.4618, 29.6365,
12.7119


 97.9758, 132.2860,
84.7251

 11.3837, 19.5629,
7.1020


 125.2609,
165.9629, 110.8504

 6.3947, 12.0777,
3.4466

157.1925,
204.9190, 141.8598

 3.1295, 6.7966,
1.3269

194.1360,
249.5387, 178.1719

 1.2226, 3.3352,
0.0837

236.4568,

 0.1241, 1.3092,

300.2066, 220.2052

0.0000

284.5203,
357.3068, 268.3783

■ 0.0000, 0.1483,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.3466, 59.0869,
31.4687

■ 40.3466, 59.0869,
31.4687

■ 35.8294, 56.9188,
24.0799

■ 45.9026, 61.7565,
40.6006

■ 32.2824, 55.2141,
18.3196


■ 52.5517, 64.9483,
51.5726


■ 29.6359, 53.9412,
14.0662


■ 60.3495, 68.6906,
64.4790

■ 27.8089, 53.0613,
11.1789

■ 69.3467, 73.0077,
79.4067

 26.7059, 52.5290,
9.4906

 79.5909, 77.9225,
96.4373

 26.1848, 52.2771,
8.7104

 85.4124, 80.7249,
105.6875

Harmonies

Analogous

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



48.4592, 59.0869, 20.7561



40.3466, 59.0869, 31.4687



36.6245, 59.0869, 54.6030

Triad

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



40.3466, 59.0869, 31.4687



52.6504, 59.0869, 152.0511



80.1032, 59.0869, 43.8527

Complementary

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



40.3466, 59.0869, 31.4687



51.0902, 37.2664, 73.6107

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.



81.6397, 59.0869, 75.1609



40.3466, 59.0869, 31.4687



64.6370, 59.0869, 146.0100

Square

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



40.3466, 59.0869, 31.4687



43.0453, 59.0869, 128.9835



75.6450, 59.0869, 114.5664



71.7006, 59.0869, 25.9711

Rectangle

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



40.3466, 59.0869, 31.4687



36.7171, 59.0869, 77.3997



75.6450, 59.0869, 114.5664



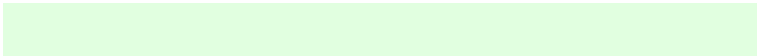
81.4819, 59.0869, 52.8310

Sweetspot

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



40.3481, 59.0894, 31.4700



80.3474, 92.9451, 84.5112



59.7007, 67.9065, 32.1519



16.8863, 19.7447, 17.5732



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.



40.3481, 59.0894, 31.4700



50.0139, 78.3823, 34.5390



43.4881, 60.3086, 49.6679



13.5571, 15.3518, 14.5554



15.5650, 31.0566, 5.1742



1.0891, 2.1579, 0.3591

Inverse Universe

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



51.0902, 37.2664, 73.6107



66.6189, 44.6282, 99.7106



46.7996, 35.6205, 47.8404



14.2630, 13.9191, 17.3226



24.8446, 11.9031, 42.0364



1.7319, 0.8301, 2.9142

Previews

White Background



This preview shows how the XYZ color 40.3466, 59.0869, 31.4687 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 40.3466, 59.0869, 31.4687 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 40.3466, 59.0869, 31.4687

Background



This preview shows how black text looks on a background with the XYZ color 40.3466, 59.0869, 31.4687.



This preview shows how white text looks on a background with the XYZ color 40.3466, 59.0869,

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

40.3466, 59.0869, 31.4687

Protanopia

53.8017, 58.3140, 27.8221

Deuteranopia

59.5184, 58.1180, 32.8919



Tritanopia

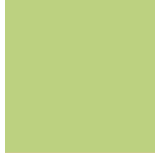
50.4347, 58.9623, 82.1215

Trichromacy



Original Color

40.3466, 59.0869, 31.4687



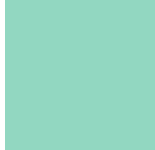
Protanomaly

47.4358, 57.8508, 29.0883



Deuteranomaly

50.2284, 57.0746, 32.0361



Tritanomaly

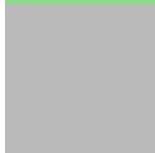
45.7801, 58.5621, 59.3428

Monochromacy



Original Color

40.3466, 59.0869, 31.4687



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

43.3348, 51.8524, 44.2837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3466, 59.0869, 31.4687 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(135, 222, 133)` looks like.

```
.text, #text, p{  
    color:rgb(135, 222, 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(135, 222, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 222, 133) }
```

Border

The CSS property to change the border of an element to XYZ 40.3466, 59.0869, 31.4687 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(135, 222, 133) }
```


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

```
.border{ border-color:rgb(135, 222, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 222, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 222, 133); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 222, 133); box-shadow:4px 4px 4px 4px rgb(135, 222, 133) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3466, 59.0869, 31.4687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 222, 133) }
```

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

```
.background{ background-color: rgb(135,  
222, 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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