

Converting Colors

XYZ(37.7605, 59.5306, 41.8481)

Have a look what the booklet for
XYZ(37.7605, 59.5306, 41.8481)
contains.

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Color

**XYZ(37.7605, 59.5306,
41.8481)**

Conversions

Conversions Part 1

Format	Color
Hex	59E39E
RGB	89, 227, 158
RGB Percent	35%, 89%, 62%
CMY	0.6510, 0.1098, 0.3804
CMYK	0.61, 0.00, 0.30, 0.11
HSL	150°, 71%, 62%
HSV	150°, 61%, 89%
XYZ	37.7605, 59.5306, 41.8481
YIQ	177.8720, -60.0990, -50.7150

Conversions

Conversions Part 2

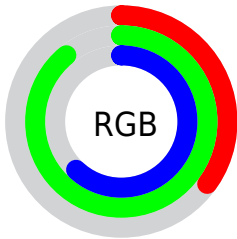
Format	Color
RYB	89, 181, 227
Decimal	5890974
CIELab	81.58, -53.05, 22.83
CIElCh	82, 57.752, 156.711
Yxy	59.5306, 0.2714, 0.4278
Android (android.graphics.Color)	4284081054 (0xFF59E39E)
YUV	177.8720, -9.7969, -77.9407
Hunter-Lab	77.1561, -47.6645, 21.8514

Details

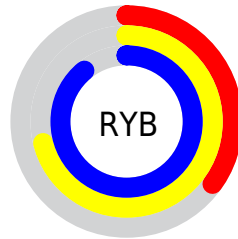
The XYZ color **37.7605, 59.5306, 41.8481** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **41.4245, 25.9457, 35.1750**, and the grayscale version is **42.3236, 44.5277, 48.4907**.

A 20% lighter version of the original color is **60.3479, 82.8081, 75.7537**, and **17.1644, 30.1664, 18.5537** is the 20% darker color. If you saturate the color by 10%, you get **34.9766, 58.2048, 36.8519**, and if you desaturate by 10%, it is **41.3092, 61.2435, 47.3539**.

Distribution



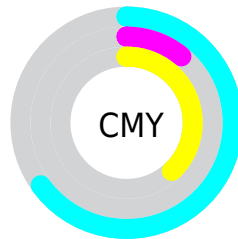
- Red (35%)
- Green (89%)
- Blue (62%)



- Red (35%)
- Yellow (71%)
- Blue (89%)



- Cyan (61%)
- Magenta (0%)
- Yellow (30%)
- Black (11%)



- Cyan (65%)
- Magenta (11%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7605, 59.5306, 41.8481 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 37.7605, 59.5306, 41.8481 by changing the saturation by 10% instead.

37.7605, 59.5306,
41.8481

37.7605, 59.5306,
41.8481

327.8901,
422.8654, 369.6339

25.9732, 43.0404,
28.6577

71.0472, 104.1484,
79.2373

16.9362, 29.9168,
18.5787

93.2773, 133.0449,
104.2731

10.2840, 19.7755,
11.1925

119.7190,
166.8455, 134.0946

5.6514, 12.2319,
6.0807

150.7378,
205.9347, 169.1201

2.6729, 6.9018,
2.8246

186.6989,
250.6969, 209.7682

0.9833, 3.4008,
1.0058

227.9678,

0.0000, 1.3444,

301.5165, 256.4576

0.0000

274.9097,
358.7779, 309.6066

■ 0.0000, 0.1752,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.7605, 59.5306,
41.8481

■ 37.7605, 59.5306,
41.8481

■ 34.9766, 58.2048,
36.8519

■ 41.3092, 61.2435,
47.3539

■ 32.8863, 57.2248,
32.3452


■ 45.6763, 63.3659,
53.3800

■ 31.4123, 56.5526,
28.3126


■ 50.9156, 65.9271,
59.9420

■ 30.4790, 56.1438,
25.0009


■ 57.0750, 68.9513,
67.0535

 64.1986, 72.4612,
74.7275

 72.3277, 76.4777,
82.9767

 81.5011, 81.0207,
91.8131

 85.7788, 83.0277,
100.9688

 86.7601, 83.4203,
106.1367

Harmonies

Analogous

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



43.7618, 59.5306, 24.6829



37.7605, 59.5306, 41.8481



36.4478, 59.5306, 72.9368

Triad

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



37.7605, 59.5306, 41.8481



59.3499, 59.5306, 156.2780



77.3982, 59.5306, 32.5447

Complementary

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



37.7605, 59.5306, 41.8481



41.4245, 25.9457, 35.1750

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.



83.0291, 59.5306, 57.3265



37.7605, 59.5306, 41.8481



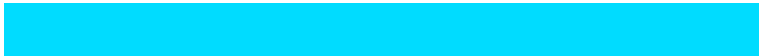
71.6894, 59.5306, 134.4039

Square

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



37.7605, 59.5306, 41.8481



47.8586, 59.5306, 147.4921



80.8034, 59.5306, 94.9522



66.3060, 59.5306, 20.8072

Rectangle

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



37.7605, 59.5306, 41.8481



38.2116, 59.5306, 99.6898



80.8034, 59.5306, 94.9522



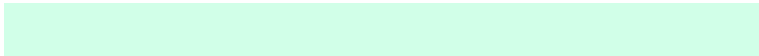
80.0596, 59.5306, 39.2064

Sweetspot

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



37.7621, 59.5330, 41.8495



76.6553, 90.9189, 89.8897



43.8315, 63.1665, 19.3342



15.8564, 19.1893, 18.6314



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.



37.7621, 59.5330, 41.8495



44.7183, 75.3856, 46.3404



45.1406, 62.4844, 80.7041



14.4884, 16.2088, 16.8365



17.8337, 32.7656, 14.8903



1.3647, 2.4400, 1.3472

Inverse Universe

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



41.4245, 25.9457, 35.1750



49.8740, 28.1039, 36.9445



37.1539, 24.2375, 12.6865



14.6760, 14.4876, 16.4944



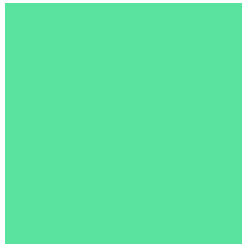
20.2888, 10.2497, 10.4159



1.5462, 0.7762, 1.0166

Previews

White Background



This preview shows how the XYZ color 37.7605, 59.5306, 41.8481 looks on a white background.

Color Contrast Check

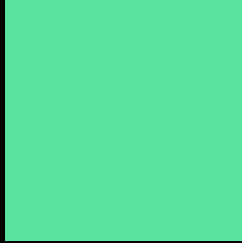
Large Text (above 18pt) WCAG AA × Fail

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 37.7605, 59.5306, 41.8481 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 37.7605, 59.5306, 41.8481

Background



This preview shows how black text looks on a background with the XYZ color 37.7605, 59.5306, 41.8481.

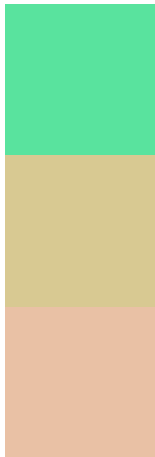


This preview shows how white text looks on a background with the XYZ color 37.7605, 59.5306,

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

37.7605, 59.5306, 41.8481

Protanopia

54.3939, 58.4475, 35.6088

Deuteranopia

59.4658, 58.1802, 43.6930



Tritanopia

46.7477, 59.2013, 87.5604

Trichromacy



Original Color

37.7605, 59.5306, 41.8481



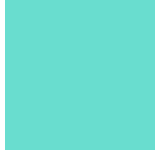
Protanomaly

45.1292, 56.8412, 37.4471



Deuteranomaly

47.4090, 56.0950, 42.5111



Tritanomaly

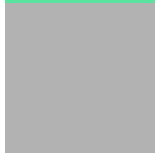
42.9446, 59.2212, 68.1989

Monochromacy



Original Color

37.7605, 59.5306, 41.8481



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

38.9447, 48.5311, 45.8429

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7605, 59.5306, 41.8481 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(89, 227, 158)` looks like.

```
.text, #text, p{  
    color:rgb(89, 227, 158)  
}
```

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(89, 227, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 227, 158) }
```

Border

The CSS property to change the border of an element to XYZ 37.7605, 59.5306, 41.8481 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(89, 227, 158) }
```


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

```
.border{ border-color:rgb(89, 227, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 227, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 227, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 227, 158);  
box-shadow:4px 4px 4px 4px rgb(89, 227,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7605, 59.5306, 41.8481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 227, 158) }
```

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

```
.background{ background-color: rgb(89, 227,  
158) }
```

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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