

Converting Colors

XYZ(38.1339, 43.6252, 63.8176)

Have a look what the booklet for
XYZ(38.1339, 43.6252, 63.8176)
contains.

XYZ(37.9859, 43.4608, 63.5135)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.9859, 43.4608,
63.5135)**

Conversions

Conversions Part 1

Format	Color
Hex	88B7CC
RGB	136, 183, 204
RGB Percent	53%, 72%, 80%
CMY	0.4667, 0.2823, 0.2000
CMYK	0.33, 0.10, 0.00, 0.20
HSL	199°, 40%, 67%
HSV	199°, 33%, 80%
XYZ	37.9859, 43.4608, 63.5135
YIQ	171.3410, -34.7530, -3.4330

Conversions

Conversions Part 2

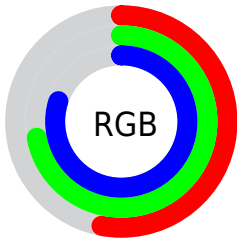
Format	Color
R _{YB}	136, 164, 204
Decimal	8959948
CIE Lab	71.87, -10.44, -15.61
CIE LCh	72, 18.782, 236.236
Yxy	43.4608, 0.2620, 0.2998
Android (android.graphics.Color)	4287150028 (0xFF88B7CC)
YUV	171.3410, 16.1009, -30.9941
Hunter-Lab	65.9248, -12.5166, -10.9740

Details

The XYZ color **37.9859, 43.4608, 63.5135** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.4035, 38.7295, 28.5870**, and the grayscale version is **38.8152, 40.8366, 44.4711**.

A 20% lighter version of the original color is **70.4024, 80.0294, 106.3444**, and **17.0549, 20.0063, 31.8169** is the 20% darker color. If you saturate the color by 10%, you get **33.7127, 39.3729, 62.9504**, and if you desaturate by 10%, it is **42.9505, 47.9935, 64.1275**.

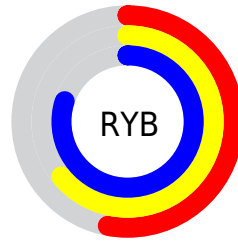
Distribution



Red (53%)

Green (72%)

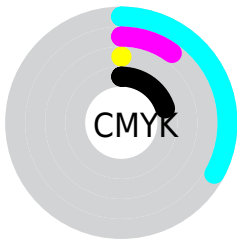
Blue (80%)



Red (53%)

Yellow (64%)

Blue (80%)

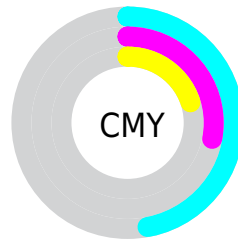


Cyan (33%)

Magenta (10%)

Yellow (0%)

Black (20%)



Cyan (47%)

Magenta (28%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9859, 43.4608, 63.5135 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 37.9859, 43.4608, 63.5135 by changing the saturation by 10% instead.

■ 37.9859, 43.4608,
63.5135

■ 37.9859, 43.4608,
63.5135

328.8414,
360.5034, 455.5898

■ 26.1489, 30.2468,
45.8131

■ 71.3906, 80.4058,
111.5027

■ 17.0683, 20.0260,
31.7507

■ 93.6889, 104.9055,
142.6286

■ 10.3788, 12.4140,
20.9079

■ 120.2052,
133.9361, 179.0667

■ 5.7150, 7.0263,
12.8661

151.3046,
167.8817, 221.2356

■ 2.7116, 3.4785,
7.2068

187.3526,
207.1269, 269.5539

■ 1.0031, 1.3864,
3.5114

228.7145,

■ 0.0000, 0.2066,

252.0559, 324.4399

1.3613

275.7556,
303.0533, 386.3124

■ 0.0000, 0.0000,
0.1113

■ 0.0000, 0.0000,
0.0000

■ 37.9859, 43.4608,
63.5135

■ 37.9859, 43.4608,
63.5135

■ 33.7127, 39.3729,
62.9504

■ 42.9505, 47.9935,
64.1275

■ 30.0902, 35.7047,
62.4333

■ 48.6363, 52.9845,
64.7912

■ 27.0796, 32.4359,
61.9611

■ 55.0761, 58.4526,
65.5072

■ 24.6359, 29.5423,
61.5313

■ 62.2993, 64.4142,
66.2772

■ 22.7071, 26.9960,
61.1415

■ 70.3340, 70.8847,
67.1027

■ 21.2311, 24.7636,
60.7884

■ 77.9431, 77.2275,
67.9259

■ 20.4249, 23.4110,
60.5698

■ 79.6358, 80.6129,
68.4901

■ 81.3915, 84.1243,
69.0754

■ 83.2110, 87.7632,
69.6818

Harmonies

Analogous

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



36.0372, 43.4608, 55.5365



37.9859, 43.4608, 63.5135



40.9061, 43.4608, 67.1465

Triad

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



37.9859, 43.4608, 63.5135



47.7491, 43.4608, 48.4862



38.6505, 43.4608, 33.2246

Complementary

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



37.9859, 43.4608, 63.5135



41.4035, 38.7295, 28.5870

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.



41.7129, 43.4608, 31.8418



37.9859, 43.4608, 63.5135



47.0696, 43.4608, 39.9592

Square

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



37.9859, 43.4608, 63.5135



46.6308, 43.4608, 57.7928



44.8187, 43.4608, 34.1456



36.4068, 43.4608, 38.1980

Rectangle

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



37.9859, 43.4608, 63.5135



43.0505, 43.4608, 66.3115



44.8187, 43.4608, 34.1456



39.6136, 43.4608, 32.3544

Sweetspot

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



37.9872, 43.4625, 63.5145



83.8221, 90.5587, 107.6694



37.7819, 50.8348, 39.4523



17.6261, 19.1135, 23.0102



0.0000, 0.0000, 0.0000



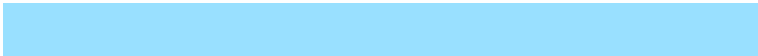
20.3446, 21.4041, 23.3091

Same Dimension

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



37.9872, 43.4625, 63.5145



57.7089, 67.0364, 104.5055



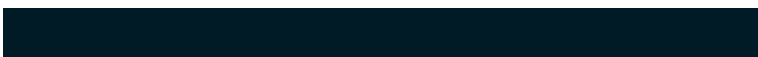
31.8961, 31.2803, 61.4841



11.2396, 12.1197, 14.3173



12.9414, 14.9067, 38.1515



0.7331, 0.8999, 1.9900

Inverse Universe

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



42.2544, 33.8658, 49.1112



66.0183, 49.3973, 76.2226



47.8469, 51.6163, 30.7348



11.5343, 11.3425, 13.3483



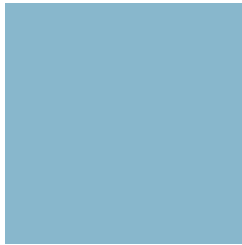
18.7431, 9.3078, 16.8978



1.0000, 0.4934, 1.0457

Previews

White Background



This preview shows how the XYZ color 37.9859, 43.4608, 63.5135 looks on a white background.

Color Contrast Check

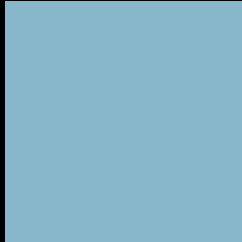
Large Text (above 18pt) WCAG AA × Fail

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 37.9859, 43.4608, 63.5135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

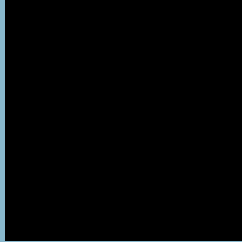
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.9859, 43.4608, 63.5135

Background



This preview shows how black text looks on a background with the XYZ color 37.9859, 43.4608, 63.5135.



This preview shows how white text looks on a background with the XYZ color 37.9859, 43.4608,

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

37.9859, 43.4608, 63.5135

Protanopia

42.3424, 43.1200, 59.5174

Deuteranopia

44.0636, 43.0470, 64.3790



Tritanopia

37.4410, 43.5554, 60.4665

Trichromacy



Original Color

37.9859, 43.4608, 63.5135

Protanomaly

40.4455, 42.9853, 60.8089

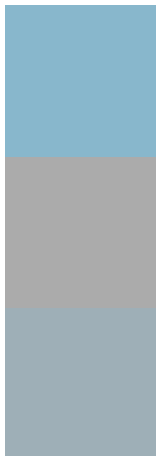
Deuteranomaly

41.4537, 42.8543, 63.8445

Tritanomaly

37.6748, 43.6489, 61.6978

Monochromacy



Original Color

37.9859, 43.4608, 63.5135

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

37.9778, 41.3479, 50.7791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9859, 43.4608, 63.5135 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(136, 183, 204)` looks like.

```
.text, #text, p{  
    color:rgb(136, 183, 204)  
}
```

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(136, 183, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 183, 204) }
```

Border

The CSS property to change the border of an element to XYZ 37.9859, 43.4608, 63.5135 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(136, 183, 204) }
```


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

```
.border{ border-color:rgb(136, 183, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 183, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 183, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 183, 204);  
box-shadow:4px 4px 4px 4px rgb(136, 183,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9859, 43.4608, 63.5135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 183, 204) }
```

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

```
.background{ background-color: rgb(136,  
183, 204) }
```

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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