

Converting Colors

XYZ(33.8447, 42.9159, 59.3235)

Have a look what the booklet for
XYZ(33.8447, 42.9159, 59.3235)
contains.

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Color

**XYZ(33.8870, 43.0009,
59.3373)**

Conversions

Conversions Part 1

Format	Color
Hex	69BCC5
RGB	105, 188, 197
RGB Percent	41%, 74%, 77%
CMY	0.5882, 0.2627, 0.2274
CMYK	0.47, 0.05, 0.00, 0.23
HSL	186°, 44%, 59%
HSV	186°, 47%, 77%
XYZ	33.8870, 43.0009, 59.3373
YIQ	164.2090, -52.3570, -14.7970

Conversions

Conversions Part 2

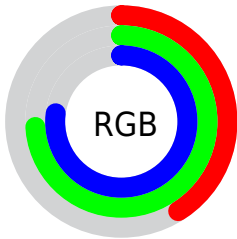
Format	Color
RYB	105, 149, 197
Decimal	6929605
CIELab	71.56, -22.85, -12.40
CIELCh	72, 26.002, 208.494
Yxy	43.0009, 0.2488, 0.3157
Android (android.graphics.Color)	4285119685 (0xFF69BCC5)
YUV	164.2090, 16.1660, -51.9263
Hunter-Lab	65.5751, -22.5136, -7.7475

Details

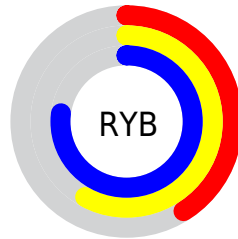
The XYZ color **33.8870, 43.0009, 59.3373** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.5940, 24.9258, 16.5118**, and the grayscale version is **35.3306, 37.1705, 40.4787**.

A 20% lighter version of the original color is **65.1404, 79.5385, 105.6851**, and **14.6097, 19.6142, 29.0025** is the 20% darker color. If you saturate the color by 10%, you get **31.4272, 41.1268, 59.1060**, and if you desaturate by 10%, it is **36.8909, 45.1656, 59.5976**.

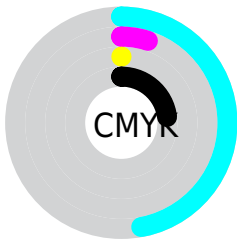
Distribution



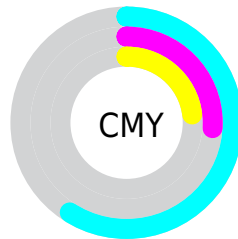
- Red (41%)
- Green (74%)
- Blue (77%)



- Red (41%)
- Yellow (58%)
- Blue (77%)



- Cyan (47%)
- Magenta (5%)
- Yellow (0%)
- Black (23%)





- Cyan (59%)
- Magenta (26%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8870, 43.0009, 59.3373 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 33.8870, 43.0009, 59.3373 by changing the saturation by 10% instead.


 33.8870, 43.0009,
59.3373


 33.8870, 43.0009,
59.3373


311.2227,
358.6155, 439.8874


 22.9693, 29.8858,
42.4629

 65.1034, 79.7122,
105.4017


 14.6914, 19.7519,
29.1357


 86.1327, 104.0772,
135.4287

 8.6880, 12.2149,
18.9370


 111.2633,
132.9610, 170.6771

 4.5937, 6.8902,
11.4484

 140.8606,
166.7480, 211.5653

 2.0432, 3.3935,
6.2513

175.2897,
205.8226, 258.5119

 0.6580, 1.3405,
2.9273

214.9163,

 0.0000, 0.1722,

250.5690, 311.9354

1.0576

260.1055,
301.3719, 372.2544

■ 0.0000, 0.0000,
0.0000

■ 33.8870, 43.0009,
59.3373

■ 33.8870, 43.0009,
59.3373

■ 31.4272, 41.1268,
59.1060

■ 36.8909, 45.1656,
59.5976

■ 29.4699, 39.5189,
58.8988

■ 40.4689, 47.6335,
59.8853

■ 27.9741, 38.1570,
58.7147

■ 44.6534, 50.4223,
60.2031

■ 26.8904, 37.0156,
58.5515

■ 49.4734, 53.5470,
60.5522

■ 26.1535, 36.0610,
58.4061

■ 54.9559, 57.0215,
60.9338

■ 25.9454, 35.7657,
58.3601

■ 61.1265, 60.8589,
61.3493

■ 68.0091, 65.0718,
61.7997

■ 72.7730, 68.2009,
62.1526

■ 73.2321, 69.1191,
62.3057

Harmonies

Analogous

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



32.9944, 43.0009, 46.1877



33.8870, 43.0009, 59.3373



36.6133, 43.0009, 70.6258

Triad

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



33.8870, 43.0009, 59.3373



48.5050, 43.0009, 60.6365



41.0935, 43.0009, 26.5604

Complementary

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



33.8870, 43.0009, 59.3373



31.5940, 24.9258, 16.5118

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.



45.4467, 43.0009, 29.0741



33.8870, 43.0009, 59.3373



49.9110, 43.0009, 47.4594

Square

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



33.8870, 43.0009, 59.3373



45.0352, 43.0009, 71.4654



48.7543, 43.0009, 36.2010



36.9719, 43.0009, 28.6137

Rectangle

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



33.8870, 43.0009, 59.3373



39.2090, 43.0009, 74.7552



48.7543, 43.0009, 36.2010



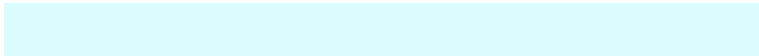
42.5794, 43.0009, 26.8892

Sweetspot

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



33.8883, 43.0026, 59.3383



82.0099, 91.6389, 107.9734



28.7549, 44.1215, 22.5266



17.1683, 19.3625, 23.0824



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.



33.8883, 43.0026, 59.3383



56.2225, 73.6078, 105.8522



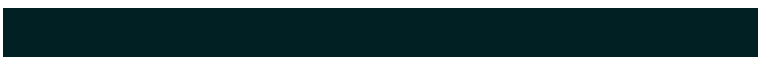
25.7775, 26.7809, 56.6347



10.8546, 11.8834, 13.6391



17.0995, 23.5929, 38.3970



0.8360, 1.1698, 1.8269

Inverse Universe

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



37.1558, 25.6056, 50.5627



62.9383, 39.2454, 87.5026



37.9177, 37.5732, 18.6197



11.0367, 10.7980, 13.1763



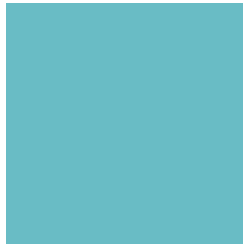
20.4304, 9.9217, 28.5398



0.9807, 0.4751, 1.4214

Previews

White Background



This preview shows how the XYZ color 33.8870, 43.0009, 59.3373 looks on a white background.

Color Contrast Check

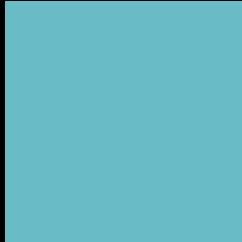
Large Text (above 18pt) WCAG AA × Fail

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 33.8870, 43.0009, 59.3373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

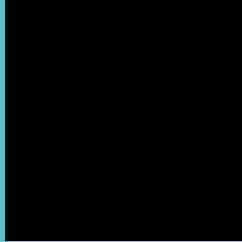
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.8870, 43.0009, 59.3373

Background



This preview shows how black text looks on a background with the XYZ color 33.8870, 43.0009, 59.3373.

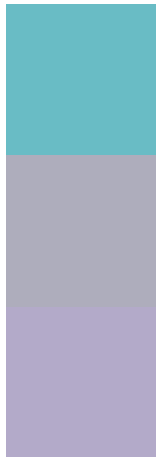


This preview shows how white text looks on a background with the XYZ color 33.8870, 43.0009,

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

33.8870, 43.0009, 59.3373

Protanopia

41.4762, 42.5167, 53.5975

Deuteranopia

43.5077, 42.5502, 61.1782



Tritanopia

34.4944, 42.9307, 62.3455

Trichromacy



Original Color

33.8870, 43.0009, 59.3373

Protanomaly

37.7188, 41.9919, 55.4075

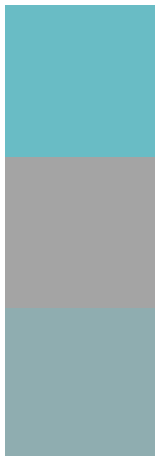
Deuteranomaly

39.0964, 42.2898, 60.7457

Tritanomaly

34.1395, 42.7749, 61.1006

Monochromacy



Original Color

33.8870, 43.0009, 59.3373

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.1077, 38.8614, 46.7776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8870, 43.0009, 59.3373 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(105, 188, 197)` looks like.

```
.text, #text, p{  
    color:rgb(105, 188, 197)  
}
```

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(105, 188, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 188, 197) }
```

Border

The CSS property to change the border of an element to XYZ 33.8870, 43.0009, 59.3373 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(105, 188, 197) }
```


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

```
.border{ border-color:rgb(105, 188, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 188, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 188, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 188, 197);  
box-shadow:4px 4px 4px 4px rgb(105, 188,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8870, 43.0009, 59.3373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 188, 197) }
```

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

```
.background{ background-color: rgb(105,  
188, 197) }
```

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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