

# Converting Colors

XYZ(34.7020, 43.2518, 43.5881)

Have a look what the booklet for  
XYZ(34.7020, 43.2518, 43.5881)  
contains.

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# Color

**XYZ(34.6185, 43.0959,  
43.5395)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87BAA8
RGB	135, 186, 168
RGB Percent	53%, 73%, 66%
CMY	0.4706, 0.2706, 0.3412
CMYK	0.27, 0.00, 0.10, 0.27
HSL	159°, 27%, 63%
HSV	159°, 27%, 73%
XYZ	34.6185, 43.0959, 43.5395
YIQ	168.6990, -24.6180, -16.4100

# Conversions

## Conversions Part 2

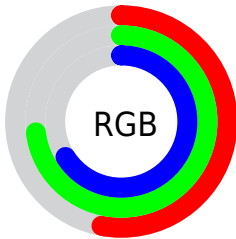
Format	Color
<a href="#">RYB</a>	<a href="#">135, 166, 186</a>
Decimal	<a href="#">8895144</a>
CIELab	<a href="#">71.62, -20.60, 3.72</a>
CIELCh	<a href="#">72, 20.931, 169.754</a>
Yxy	<a href="#">43.0959, 0.2855, 0.3554</a>
Android (android.graphics.Color)	<a href="#">4287085224 (0xFF87BAA8)</a>
YUV	<a href="#">168.6990, -0.3446, -29.5540</a>
Hunter-Lab	<a href="#">65.6475, -20.7530, 6.6302</a>

# Details

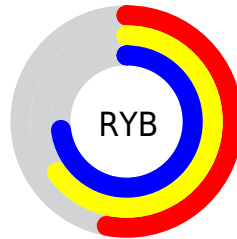
The XYZ color **34.6185, 43.0959, 43.5395** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.6650, 30.0681, 34.1156**, and the grayscale version is **37.5747, 39.5316, 43.0499**.

A 20% lighter version of the original color is **66.0577, 79.6508, 81.7046**, and **15.1961, 19.9208, 19.5672** is the 20% darker color. If you saturate the color by 10%, you get **31.2872, 41.4486, 40.2714**, and if you desaturate by 10%, it is **38.5059, 45.0286, 46.9967**.

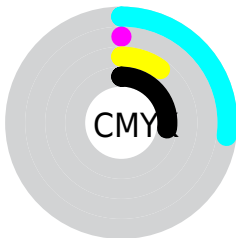
# Distribution



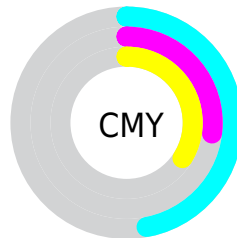
- Red (53%)
- Green (73%)
- Blue (66%)



- Red (53%)
- Yellow (65%)
- Blue (73%)



- Cyan (27%)
- Magenta (0%)
- Yellow (10%)
- Black (27%)




- Cyan (47%)
- Magenta (27%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6185, 43.0959, 43.5395 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 34.6185, 43.0959, 43.5395 by changing the saturation by 10% instead.





 34.6185, 43.0959,  
43.5395


 34.6185, 43.0959,  
43.5395


314.4188,  
359.0060, 376.8120


 23.5343, 29.9604,  
29.9741


 66.2323, 79.8556,  
81.8194

 15.1114, 19.8085,  
19.5671


 87.4925, 104.2485,  
107.3710

 8.9844, 12.2559,  
11.8998


 112.8755,  
133.1626, 137.7552

 4.7880, 6.9182,  
6.5538

142.7466,  
166.9824, 173.3903

 2.1569, 3.4110,  
3.1104

177.4711,  
206.0923, 214.6950

 0.7199, 1.3499,  
1.1513

217.4144,

 0.0000, 0.1793,

250.8766, 262.0878

0.0000

262.9418,  
301.7197, 315.9873

■ 0.0000, 0.0000,  
0.0000

■ 34.6185, 43.0959,  
43.5395

■ 34.6185, 43.0959,  
43.5395

■ 31.2872, 41.4486,  
40.2714

■ 38.5059, 45.0286,  
46.9967

■ 28.4808, 40.0672,  
37.1859

■ 42.9716, 47.2547,  
50.6435

■ 26.1704, 38.9381,  
34.2801

■ 48.0406, 49.7881,  
54.4844

■ 24.3226, 38.0440,  
31.5500

■ 53.7357, 52.6405,  
58.5226

■ 22.9000, 37.3658,  
28.9913

■ 60.0783, 55.8230,  
62.7613

■ 21.8587, 36.8809,  
26.5993

■ 67.0888, 59.3460,  
67.2035

■ 21.1353, 36.5566,  
24.3684

■ 70.9322, 61.2324,  
71.6720

■ 20.9711, 36.4840,  
23.8173

■ 71.7877, 61.5746,  
76.1770

■ 72.6774, 61.9305,  
80.8621

# Harmonies

## Analogous

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



35.9800, 43.0959, 35.4173



34.6185, 43.0959, 43.5395



34.8803, 43.0959, 53.8296

# Triad

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



34.6185, 43.0959, 43.5395



43.3065, 43.0959, 67.7783



45.5208, 43.0959, 33.5559

# Complementary

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



34.6185, 43.0959, 43.5395



34.6650, 30.0681, 34.1156

# 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.



47.7110, 43.0959, 40.6360



34.6185, 43.0959, 43.5395



46.3825, 43.0959, 60.6869

# Square

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



34.6185, 43.0959, 43.5395



39.7618, 43.0959, 68.8531



48.0352, 43.0959, 50.4797



42.1848, 43.0959, 30.2288



# Rectangle

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



34.6185, 43.0959, 43.5395



35.9455, 43.0959, 60.5346



48.0352, 43.0959, 50.4797



46.4234, 43.0959, 35.5238

# Sweetspot

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



34.6197, 43.0977, 43.5405



77.2726, 85.3424, 91.3077



35.2029, 43.7096, 29.5038



16.7338, 18.6527, 19.8827



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



34.6197, 43.0977, 43.5405



58.9311, 76.2235, 75.2465



35.0163, 41.0182, 52.5282



9.1284, 10.1553, 10.8336



14.1447, 24.5588, 16.2156



0.5268, 0.8770, 0.7202



# Inverse Universe

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



34.6650, 30.0681, 34.1156



59.0302, 48.6114, 55.2885



34.2675, 31.4761, 27.1918



9.1320, 9.0632, 10.0427



14.3107, 7.2980, 4.2570



0.5345, 0.2693, 0.3081



# Previews

## White Background



This preview shows how the XYZ color 34.6185, 43.0959, 43.5395 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

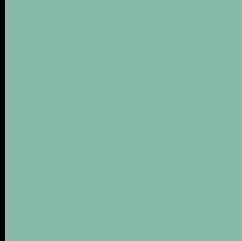
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.6185, 43.0959, 43.5395 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

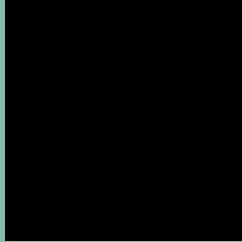
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 34.6185, 43.0959, 43.5395**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.6185, 43.0959, 43.5395.



This preview shows how white text looks on a background with the XYZ color 34.6185, 43.0959,



# 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

34.6185, 43.0959, 43.5395

### Protanopia

40.7137, 42.7045, 40.2794

### Deuteranopia

43.6267, 42.6919, 44.9707



## Tritanopia

37.6763, 43.1041, 58.5587

# Trichromacy



## Original Color

34.6185, 43.0959, 43.5395

## Protanomaly

37.9311, 42.4136, 41.3094

## Deuteranomaly

39.6939, 42.3709, 44.6144

## Tritanomaly

36.4439, 42.9011, 52.8143

# Monochromacy



## Original Color

34.6185, 43.0959, 43.5395

## Achromatopsia

37.7116, 39.6755, 43.2066

## Achromatomaly

36.3960, 40.6926, 43.4723

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.6185, 43.0959, 43.5395 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, 186, 168)` looks like.

```
.text, #text, p{  
    color:rgb(135, 186, 168)  
}
```

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, 186, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 186, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 34.6185, 43.0959, 43.5395 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".

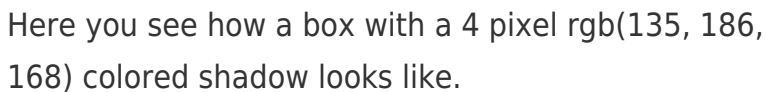
```
.border, #border, table{ border:4px solid rgb(135, 186, 168) }
```



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

```
.border{ border-color:rgb(135, 186, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 186, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 186, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 186, 168); box-shadow:4px 4px 4px 4px rgb(135, 186, 168) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.6185, 43.0959, 43.5395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 186, 168) }
```

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

```
.background{ background-color: rgb(135,  
186, 168) }
```

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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