

# Converting Colors

XYZ(41.3455, 50.2805, 53.4249)

Have a look what the booklet for  
XYZ(41.3455, 50.2805, 53.4249)  
contains.

<b>XYZ(41.3455, 50.2805, 53.4249)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(41.3455, 50.2805,  
53.4249)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	95C6B9
RGB	149, 198, 185
RGB Percent	58%, 78%, 73%
CMY	0.4157, 0.2235, 0.2745
CMYK	0.25, 0.00, 0.07, 0.22
HSL	164°, 30%, 68%
HSV	164°, 25%, 78%
XYZ	41.3455, 50.2805, 53.4249
YIQ	181.8670, -25.0310, -14.4310

# Conversions

## Conversions Part 2

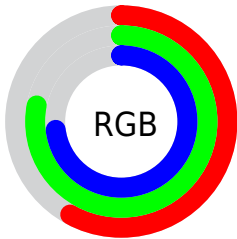
<b>Format</b>	<b>Color</b>
<b>RYB</b>	149, 177, 198
Decimal	9815737
CIELab	76.24, -18.74, 1.29
CIELCh	76, 18.786, 176.061
Yxy	50.2805, 0.2850, 0.3466
Android (android.graphics.Color)	4288005817 (0xFF95C6B9)
YUV	181.8670, 1.5446, -28.8244
Hunter-Lab	70.9087, -20.0104, 4.9652

# Details

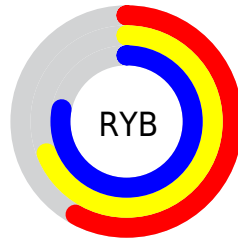
The XYZ color **41.3455, 50.2805, 53.4249** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.5595, 36.1107, 39.0170**, and the grayscale version is **44.3938, 46.7058, 50.8626**.

A 20% lighter version of the original color is **76.5390, 90.7082, 96.6935**, and **19.0679, 24.1538, 25.4870** is the 20% darker color. If you saturate the color by 10%, you get **37.4914, 48.3579, 50.4033**, and if you desaturate by 10%, it is **45.8371, 52.5320, 56.5855**.

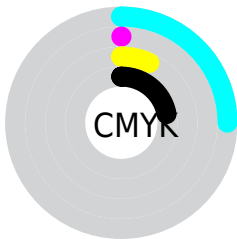
# Distribution



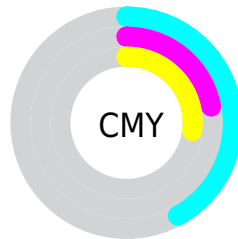
- Red (58%)
- Green (78%)
- Blue (73%)



- Red (58%)
- Yellow (69%)
- Blue (78%)



- Cyan (25%)
- Magenta (0%)
- Yellow (7%)
- Black (22%)




- Cyan (42%)
- Magenta (22%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3455, 50.2805, 53.4249 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 41.3455, 50.2805, 53.4249 by changing the saturation by 10% instead.





 41.3455, 50.2805,  
53.4249


 41.3455, 50.2805,  
53.4249


342.8005,  
387.7619, 417.0256

 28.7780, 35.6363,  
37.7520


 76.4795, 90.5903,  
96.6772

 19.0564, 24.1535,  
25.4900


 99.7767, 117.0248,  
125.0937

 11.8153, 15.4475,  
16.2201


127.3812,  
148.1581, 158.5951

 6.6893, 9.1340,  
9.5240

159.6584,  
184.3747, 197.6001

 3.3132, 4.8287,  
4.9831

196.9735,  
226.0590, 242.5271

 1.3215, 2.1471,  
2.1788

239.6920,

 0.1992, 0.6909,

273.5954, 293.7946

0.6621

288.1792,  
327.3682, 351.8213

■ 0.0000, 0.0000,  
0.0000

■ 41.3455, 50.2805,  
53.4249

■ 41.3455, 50.2805,  
53.4249

■ 37.4914, 48.3579,  
50.4033

■ 45.8371, 52.5320,  
56.5855

■ 34.2394, 46.7420,  
47.5146

■ 50.9909, 55.1213,  
59.8842

■ 31.5567, 45.4172,  
44.7573

■ 56.8358, 58.0643,  
63.3245

■ 29.4059, 44.3645,  
42.1284

■ 63.3973, 61.3744,  
66.9086

■ 27.7451, 43.5620,  
39.6249

■ 70.6998, 65.0639,  
70.6388

■ 26.5256, 42.9847,  
37.2431

■ 73.8977, 66.6350,  
74.2894

■ 25.6882, 42.6023,  
34.9790

■ 74.5902, 66.9120,  
77.9362

■ 25.3417, 42.4486,  
33.8338

■ 75.3047, 67.1978,  
81.6986

■ 76.0413, 67.4925,  
85.5776

# Harmonies

## Analogous

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



42.3875, 50.2805, 44.6139



41.3455, 50.2805, 53.4249



41.9593, 50.2805, 63.7201

# Triad

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



41.3455, 50.2805, 53.4249



50.8284, 50.2805, 74.0899



51.6729, 50.2805, 40.1773

# Complementary

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



41.3455, 50.2805, 53.4249



40.5595, 36.1107, 39.0170

# 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.



54.1375, 50.2805, 46.6584



41.3455, 50.2805, 53.4249



53.6333, 50.2805, 66.3087

# Square

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



41.3455, 50.2805, 53.4249



47.3262, 50.2805, 76.4723



54.8718, 50.2805, 56.0906



48.2570, 50.2805, 37.5833



# Rectangle

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



41.3455, 50.2805, 53.4249



43.2420, 50.2805, 69.9389



54.8718, 50.2805, 56.0906



52.6465, 50.2805, 41.9315

# Sweetspot

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



41.3469, 50.2826, 53.4260



88.0318, 96.4690, 104.6399



40.5344, 50.2486, 35.9973



18.7191, 20.5863, 22.3199



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

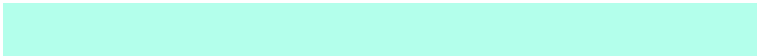


# Same Dimension

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



41.3469, 50.2826, 53.4260



69.1873, 87.0251, 91.5219



40.2676, 45.8257, 60.1514



10.8219, 12.0177, 13.0124



16.5165, 27.6190, 22.1965



0.8108, 1.3193, 1.2026



# Inverse Universe

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



40.5595, 36.1107, 39.0170



67.5455, 57.4143, 61.4326



41.3613, 39.4693, 33.8731



10.7475, 10.6824, 11.6537



15.5869, 7.9843, 3.0345



0.7690, 0.3905, 0.3069



# Previews

## White Background



This preview shows how the XYZ color 41.3455, 50.2805, 53.4249 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

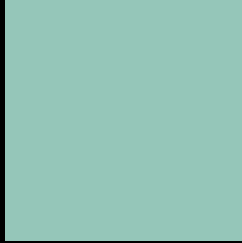
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.3455, 50.2805, 53.4249 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

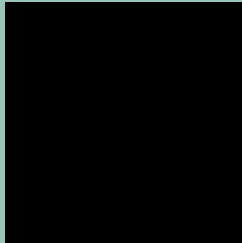
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 41.3455, 50.2805, 53.4249**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.3455, 50.2805, 53.4249.



This preview shows how white text looks on a background with the XYZ color 41.3455, 50.2805,

53.4249.

# 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

41.3455, 50.2805, 53.4249

### Protanopia

47.8993, 50.1328, 49.7999

### Deuteranopia

50.7778, 49.6577, 54.4856



## Tritanopia

44.2511, 50.1067, 68.3121

# Trichromacy



## Original Color

41.3455, 50.2805, 53.4249

## Protanomaly

45.1028, 49.9449, 50.9792

## Deuteranomaly

46.7475, 49.4428, 54.0933

## Tritanomaly

43.0066, 49.9227, 62.6277

# Monochromacy



## Original Color

41.3455, 50.2805, 53.4249

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

43.1080, 47.9314, 51.7794

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.3455, 50.2805, 53.4249 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(149, 198, 185)` looks like.

```
.text, #text, p{  
    color:rgb(149, 198, 185)  
}
```

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(149, 198, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 198, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 41.3455, 50.2805, 53.4249 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(149, 198, 185) }
```



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

```
.border{ border-color:rgb(149, 198, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 198, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 198, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 198, 185);  
box-shadow:4px 4px 4px 4px rgb(149, 198,  
185) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.3455, 50.2805, 53.4249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 198, 185) }
```

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

```
.background{ background-color: rgb(149,  
198, 185) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor