

# Converting Colors

XYZ(42.7300, 52.9486, 59.4990)

Have a look what the booklet for  
XYZ(42.7300, 52.9486, 59.4990)  
contains.

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# Color

**XYZ(42.7709, 52.9655,  
59.5989)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FCCC3
RGB	143, 204, 195
RGB Percent	56%, 80%, 76%
CMY	0.4392, 0.2000, 0.2353
CMYK	0.30, 0.00, 0.04, 0.20
HSL	171°, 37%, 68%
HSV	171°, 30%, 80%
XYZ	42.7709, 52.9655, 59.5989
YIQ	184.7350, -33.4670, -15.7310

# Conversions

## Conversions Part 2

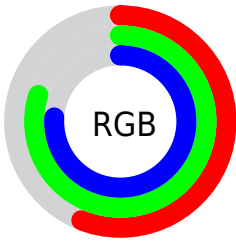
Format	Color
<a href="#">RYB</a>	<a href="#">143, 176, 204</a>
Decimal	<a href="#">9424067</a>
CIELab	<a href="#">77.85, -21.39, -1.78</a>
CIElCh	<a href="#">78, 21.466, 184.767</a>
Yxy	<a href="#">52.9655, 0.2753, 0.3410</a>
Android (android.graphics.Color)	<a href="#">4287614147</a> ( <a href="#">0xFF8FCCC3</a> )
YUV	<a href="#">184.7350, 5.0606, -36.6016</a>
Hunter-Lab	<a href="#">72.7774, -22.4569, 2.3904</a>

# Details

The XYZ color **42.7709, 52.9655, 59.5989** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.3936, 34.7508, 34.2865**, and the grayscale version is **45.9542, 48.3474, 52.6503**.

A 20% lighter version of the original color is **76.4613, 90.4908, 104.7033**, and **19.9305, 25.9094, 29.1499** is the 20% darker color. If you saturate the color by 10%, you get **39.2188, 51.1746, 57.6745**, and if you desaturate by 10%, it is **46.9751, 55.0945, 61.5919**.

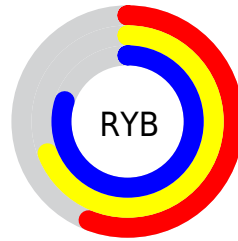
# Distribution



Red (56%)

Green (80%)

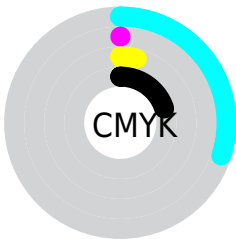
Blue (76%)



Red (56%)

Yellow (69%)

Blue (80%)

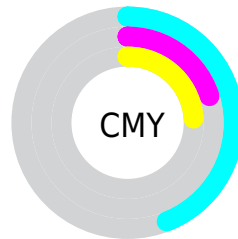


Cyan (30%)

Magenta (0%)

Yellow (4%)

Black (20%)



Cyan (44%)

Magenta (20%)


Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7709, 52.9655, 59.5989 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 42.7709, 52.9655, 59.5989 by changing the saturation by 10% instead.




 42.7709, 52.9655,  
59.5989


 42.7709, 52.9655,  
59.5989


348.6063,  
398.1527, 440.8813

 29.8991, 37.7752,  
42.6722


 78.6229, 94.5536,  
105.7853

 19.9097, 25.8083,  
29.2985


 102.3338,  
121.7202, 135.8821

 12.4373, 16.6803,  
19.0593


130.3886,  
153.6477, 171.2060

 7.1166, 10.0068,  
11.5359

163.1524,  
190.7206, 212.1755

 3.5821, 5.4035,  
6.3098

200.9908,  
233.3231, 259.2093

 1.4685, 2.4859,  
2.9625

244.2689,

 0.3043, 0.8696,

281.8397, 312.7258

1.0755

293.3523,  
336.6548, 373.1436

■ 0.0000, 0.0000,  
0.0000

■ 42.7709, 52.9655,  
59.5989

■ 42.7709, 52.9655,  
59.5989

■ 39.2188, 51.1746,  
57.6745

■ 46.9751, 55.0945,  
61.5919

■ 36.2793, 49.6974,  
55.8134

■ 51.8592, 57.5718,  
63.6516

■ 33.9159, 48.5164,  
54.0145

■ 57.4546, 60.4150,  
65.7808

■ 32.0860, 47.6096,  
52.2759

■ 63.7897, 63.6387,  
67.9811

■ 30.7412, 46.9522,  
50.5950

■ 70.8912, 67.2567,  
70.2539

■ 29.8243, 46.5145,  
48.9688

■ 74.8523, 69.2550,  
72.4166

■ 29.2292, 46.2420,  
47.3923

■ 75.2383, 69.4094,  
74.4490

■ 29.2238, 46.2396,  
47.3771

■ 75.6314, 69.5666,  
76.5190

■ 76.0316, 69.7267,  
78.6267

# Harmonies

## Analogous

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



43.4354, 52.9655, 48.4294



42.7709, 52.9655, 59.5989



44.0418, 52.9655, 71.7730

# Triad

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



42.7709, 52.9655, 59.5989



55.0516, 52.9655, 78.6532



53.8362, 52.9655, 39.3011

# Complementary

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



42.7709, 52.9655, 59.5989



40.3936, 34.7508, 34.2865

# 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.



57.2164, 52.9655, 45.5479



42.7709, 52.9655, 59.5989



57.9448, 52.9655, 68.0181

# Square

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



42.7709, 52.9655, 59.5989



51.0111, 52.9655, 83.6987



58.7579, 52.9655, 55.7840



49.6791, 52.9655, 37.6892



# Rectangle

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



42.7709, 52.9655, 59.5989



45.8590, 52.9655, 78.5217



58.7579, 52.9655, 55.7840



55.1082, 52.9655, 40.8817

# Sweetspot

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



42.7724, 52.9676, 59.6001



86.5644, 95.6879, 105.6815



39.5294, 51.8610, 33.9144



18.2547, 20.3422, 22.5108



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

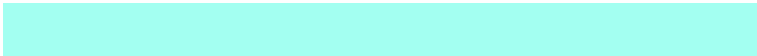


# Same Dimension

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



42.7724, 52.9676, 59.6001



66.8501, 85.7056, 96.5934



39.0898, 43.9239, 63.5471



11.4693, 12.6975, 14.0289



18.4201, 29.1133, 29.9609



0.9701, 1.5099, 1.6503



# Inverse Universe

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



40.3936, 34.7508, 34.2865



62.2834, 50.6897, 47.9645



43.1997, 41.4986, 31.7208



11.2787, 11.2402, 12.0021



15.8432, 8.1479, 1.6272

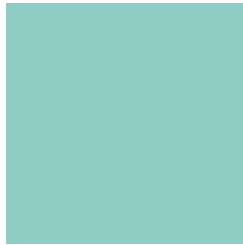


0.8395, 0.4292, 0.2007



# Previews

## White Background



This preview shows how the XYZ color 42.7709, 52.9655, 59.5989 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

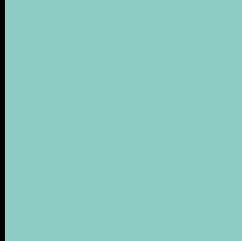
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.7709, 52.9655, 59.5989 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

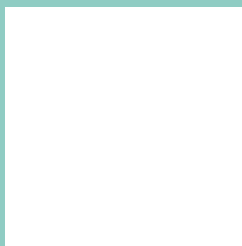
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 42.7709, 52.9655, 59.5989**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.7709, 52.9655, 59.5989.



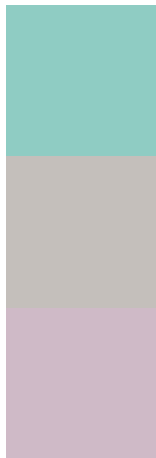
This preview shows how white text looks on a background with the XYZ color 42.7709, 52.9655,



# 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

42.7709, 52.9655, 59.5989

### Protanopia

50.3654, 52.5852, 54.5091

### Deuteranopia

53.5998, 52.5067, 61.3426



## **Tritanopia**

45.6238, 53.0789, 73.4863

# Trichromacy



## Original Color

42.7709, 52.9655, 59.5989

## Protanomaly

47.1657, 52.5447, 56.3714

## Deuteranomaly

49.0302, 52.4075, 60.9576

## Tritanomaly

44.4832, 52.9555, 68.1985

# Monochromacy



## Original Color

42.7709, 52.9655, 59.5989

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

44.6125, 49.9194, 55.4282

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.7709, 52.9655, 59.5989 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(143, 204, 195)` looks like.

```
.text, #text, p{  
    color:rgb(143, 204, 195)  
}
```

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(143, 204, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 204, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 42.7709, 52.9655, 59.5989 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(143, 204, 195) }
```



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

```
.border{ border-color:rgb(143, 204, 195) }
```

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

Here you see how a box with a 4 pixel rgb(143, 204, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 204, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 204, 195);  
box-shadow:4px 4px 4px 4px rgb(143, 204,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.7709, 52.9655, 59.5989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 204, 195) }
```

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

```
.background{ background-color: rgb(143,  
204, 195) }
```

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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