

# Converting Colors

XYZ(42.8223, 59.3632, 87.0779)

Have a look what the booklet for  
XYZ(42.8223, 59.3632, 87.0779)  
contains.

<b>XYZ(42.9263, 59.5857, 87.0806)</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(42.9263, 59.5857,  
87.0806)**

# Conversions

## Conversions Part 1

Format	Color
Hex	39DFEA
RGB	57, 223, 234
RGB Percent	22%, 87%, 92%
CMY	0.7764, 0.1255, 0.0823
CMYK	0.76, 0.05, 0.00, 0.08
HSL	184°, 81%, 57%
HSV	184°, 76%, 92%
XYZ	42.9263, 59.5857, 87.0806
YIQ	174.6200, -102.4670, -31.7710

# Conversions

## Conversions Part 2

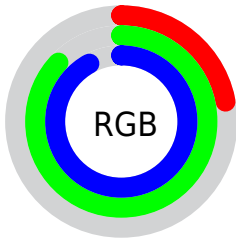
<b>Format</b>	<b>Color</b>
<b>RYB</b>	57, 143, 234
Decimal	3792874
CIELab	81.61, -37.13, -17.35
CIELCh	82, 40.979, 205.045
Yxy	59.5857, 0.2264, 0.3143
Android (android.graphics.Color)	4281982954 (0xFF39DFEA)
YUV	174.6200, 29.2743, -103.1527
Hunter-Lab	77.1918, -35.8219, -12.8512

# Details

The XYZ color **42.9263, 59.5857, 87.0806** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **36.7389, 21.9239, 6.1681**, and the grayscale version is **40.4457, 42.5520, 46.3391**.

A 20% lighter version of the original color is **63.3257, 83.6455, 107.4153**, and **21.8546, 30.8518, 46.9226** is the 20% darker color. If you saturate the color by 10%, you get **41.5002, 58.2775, 86.9044**, and if you desaturate by 10%, it is **44.9735, 61.2216, 87.2896**.

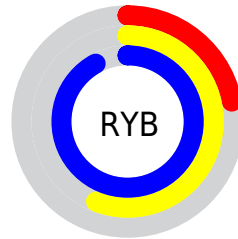
# Distribution



Red (22%)

Green (87%)

Blue (92%)



Red (22%)

Yellow (56%)

Blue (92%)

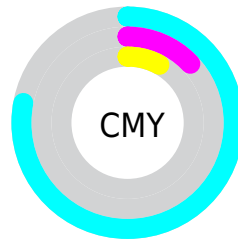


Cyan (76%)

Magenta (5%)

Yellow (0%)

Black (8%)



Cyan (78%)

Magenta (13%)

Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9263, 59.5857, 87.0806 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 42.9263, 59.5857, 87.0806 by changing the saturation by 10% instead.





 42.9263, 59.5857,  
87.0806


 42.9263, 59.5857,  
87.0806


349.2352,  
423.0690, 538.8108


 30.0216, 43.0848,  
65.0019


 78.8560, 104.2284,  
145.1763


 20.0031, 29.9516,  
47.0113


 102.6118,  
133.1391, 182.0305

 12.5056, 19.8019,  
32.6902


 130.7152,  
166.9550, 224.6468

 7.1636, 12.2511,  
21.6200

 163.5316,  
206.0607, 273.4439

 3.6119, 6.9149,  
13.3823

201.4265,  
250.8406, 328.8403

 1.4850, 3.4090,  
7.5585

244.7652,

 0.3156, 1.3488,

301.6790, 391.2546

3.7301

293.9130,  
358.9603, 461.1052

■ 0.0000, 0.1785,  
1.4785

■ 0.0000, 0.0000,  
0.2018

■ 42.9263, 59.5857,  
87.0806

■ 42.9263, 59.5857,  
87.0806

■ 41.5002, 58.2775,  
86.9044

■ 44.9735, 61.2216,  
87.2896

■ 40.5975, 57.2428,  
86.7522

■ 47.7111, 63.2171,  
87.5304

■ 40.3032, 56.8441,  
86.6908

■ 51.2050, 65.6074,  
87.8077

■ 55.5120, 68.4219,  
88.1239

60.6834, 71.6871,  
88.4816

66.7663, 75.4271,  
88.8829

73.8044, 79.6646,  
89.3299

81.8386, 84.4207,  
89.8244

86.1129, 87.2435,  
90.1440

# Harmonies

## Analogous

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



41.6962, 59.5857, 60.8709



42.9263, 59.5857, 87.0806



47.6728, 59.5857, 111.9892

# Triad

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



42.9263, 59.5857, 87.0806



71.3088, 59.5857, 95.9952



58.0757, 59.5857, 28.1909

# Complementary

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



42.9263, 59.5857, 87.0806



36.7389, 21.9239, 6.1681

# 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.



66.6542, 59.5857, 33.2718



42.9263, 59.5857, 87.0806



74.7721, 59.5857, 69.0586

# Square

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



42.9263, 59.5857, 87.0806



63.9326, 59.5857, 117.9831



72.9883, 59.5857, 46.8129



49.9139, 59.5857, 30.7176



# Rectangle

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



42.9263, 59.5857, 87.0806



52.4705, 59.5857, 122.2817



72.9883, 59.5857, 46.8129



61.0130, 59.5857, 29.0181

# Sweetspot

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



42.9281, 59.5879, 87.0820



75.5144, 88.2194, 107.6558



32.0907, 60.1084, 15.0439



15.6264, 18.5490, 23.0067



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.



42.9281, 59.5879, 87.0820



49.7333, 70.0638, 105.5102



25.4368, 24.6052, 81.2516



15.4329, 16.9522, 19.3809



22.6828, 32.0125, 48.7265



1.8055, 2.5624, 3.8343



# Inverse Universe

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



48.7157, 25.7482, 72.2166



57.3599, 28.1966, 85.3099



46.2856, 41.0175, 9.3504



15.6720, 15.2967, 18.8242



26.3045, 12.7245, 39.0004

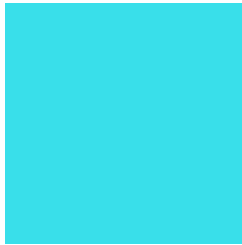


2.0778, 1.0041, 3.1271



# Previews

## White Background



This preview shows how the XYZ color 42.9263, 59.5857, 87.0806 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

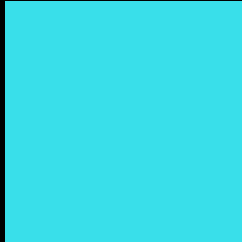
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.9263, 59.5857, 87.0806 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

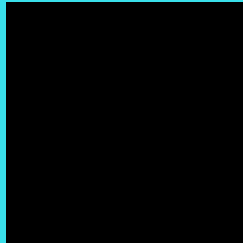
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.9263, 59.5857, 87.0806**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.9263, 59.5857, 87.0806.



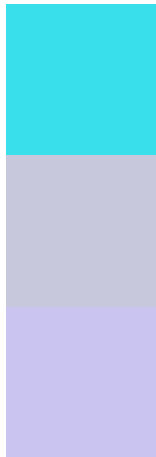
This preview shows how white text looks on a background with the XYZ color 42.9263, 59.5857,



# 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

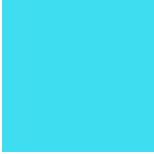
42.9263, 59.5857, 87.0806

### Protanopia

56.9936, 58.5651, 75.3181

### Deuteranopia

60.0515, 58.7803, 90.6188



## **Tritanopia**

43.8361, 59.5580, 91.6235

# Trichromacy



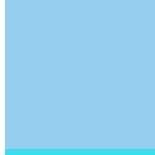
## Original Color

42.9263, 59.5857, 87.0806



## Protanomaly

48.0430, 56.6966, 78.9324



## Deuteranomaly

49.8983, 56.7052, 89.2042



## Tritanomaly

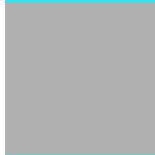
43.4174, 59.3763, 90.0613

# Monochromacy



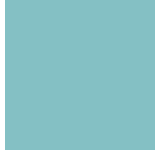
## Original Color

42.9263, 59.5857, 87.0806



## Achromatopsia

40.7470, 42.8690, 46.6844



## Achromatomaly

38.3292, 46.5903, 59.1972

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.9263, 59.5857, 87.0806 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(57, 223, 234)` looks like.

```
.text, #text, p{  
    color:rgb(57, 223, 234)  
}
```

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(57, 223, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 223, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 42.9263, 59.5857, 87.0806 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(57, 223, 234) }
```



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

```
.border{ border-color:rgb(57, 223, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 223, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 223, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 223, 234);  
box-shadow:4px 4px 4px 4px rgb(57, 223,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.9263, 59.5857, 87.0806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 223, 234) }
```

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

```
.background{ background-color: rgb(57, 223,  
234) }
```

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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