

# Converting Colors

XYZ(41.9147, 57.0327, 89.0371)

Have a look what the booklet for  
XYZ(41.9147, 57.0327, 89.0371)  
contains.

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# Color

**XYZ(41.9330, 57.0695,  
88.9262)**

# Conversions

## Conversions Part 1

Format	Color
Hex	37DAED
RGB	55, 218, 237
RGB Percent	22%, 85%, 93%
CMY	0.7843, 0.1451, 0.0706
CMYK	0.77, 0.08, 0.00, 0.07
HSL	186°, 83%, 57%
HSV	186°, 77%, 93%
XYZ	41.9330, 57.0695, 88.9262
YIQ	171.4290, -103.2470, -28.6470

# Conversions

## Conversions Part 2

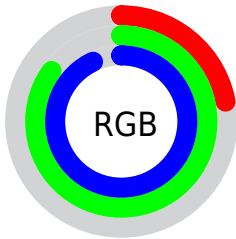
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">55, 141, 237</a>
Decimal	<a href="#">3660525</a>
CIELab	<a href="#">80.22, -34.10, -21.05</a>
CIELCh	<a href="#">80, 40.076, 211.691</a>
Yxy	<a href="#">57.0695, 0.2231, 0.3037</a>
Android (android.graphics.Color)	<a href="#">4281850605</a> ( <a href="#">0xFF37DAED</a> )
YUV	<a href="#">171.4290, 32.3265, -102.1082</a>
Hunter-Lab	<a href="#">75.5444, -33.1212, -16.9115</a>

# Details

The XYZ color **41.9330, 57.0695, 88.9262** 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 **38.0650, 23.1799, 6.0841**, and the grayscale version is **38.8067, 40.8277, 44.4614**.

A 20% lighter version of the original color is **63.0159, 83.4858, 107.4008**, and **21.4377, 29.5306, 48.2861** is the 20% darker color. If you saturate the color by 10%, you get **40.2962, 55.2815, 88.6684**, and if you desaturate by 10%, it is **44.2056, 59.2019, 89.2191**.

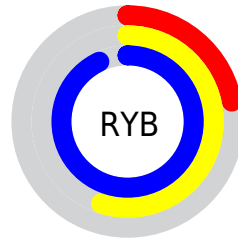
# Distribution



Red (22%)

Green (85%)

Blue (93%)



Red (22%)

Yellow (55%)

Blue (93%)

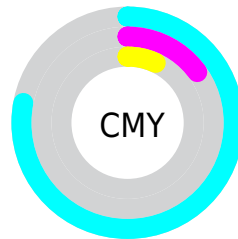


Cyan (77%)

Magenta (8%)

Yellow (0%)

Black (7%)



Cyan (78%)

Magenta (15%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9330, 57.0695, 88.9262 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 41.9330, 57.0695, 88.9262 by changing the saturation by 10% instead.



41.9330, 57.0695,  
88.9262

41.9330, 57.0695,  
88.9262

345.2015,  
413.7097, 545.0113

29.2397, 41.0610,  
66.5217

77.3640, 100.5666,  
147.7684

19.4074, 28.3668,  
48.2369

100.8325,  
128.8240, 185.0432

12.0708, 18.6023,  
33.6532

128.6233,  
161.9332, 228.1118

6.8645, 11.3833,  
22.3521

161.1020,  
200.2786, 277.3928

3.4230, 6.3253,  
13.9151

198.6337,  
244.2445, 333.3047

1.3812, 3.0439,  
7.9235

241.5840,

0.2428, 1.1547,

294.2154, 396.2660

3.9590

290.3181,  
350.5757, 466.6954

■ 0.0000, 0.0242,  
1.6029

■ 0.0000, 0.0000,  
0.2929

■ 41.9330, 57.0695,  
88.9262

■ 41.9330, 57.0695,  
88.9262

■ 40.2962, 55.2815,  
88.6684

■ 44.2056, 59.2019,  
89.2191


■ 39.1896, 53.7798,  
88.4369


■ 47.1875, 61.7130,  
89.5466


■ 38.8949, 53.3317,  
88.3659


■ 50.9477, 64.6396,  
89.9133


■ 55.5456, 68.0126,  
90.3220

 61.0348, 71.8594,  
90.7752

 67.4643, 76.2056,  
91.2753

 74.8797, 81.0745,  
91.8242

 83.3234, 86.4882,  
92.4241

 87.7660, 89.8540,  
92.8396

# Harmonies

## Analogous

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



39.9945, 57.0695, 63.4774



41.9330, 57.0695, 88.9262



47.1224, 57.0695, 110.8168

# Triad

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



41.9330, 57.0695, 88.9262



69.2978, 57.0695, 86.0351



53.7802, 57.0695, 27.1196

# Complementary

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



41.9330, 57.0695, 88.9262



38.0650, 23.1799, 6.0841

# 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.



62.0467, 57.0695, 30.3259



41.9330, 57.0695, 88.9262



71.5274, 57.0695, 60.8195

# Square

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



41.9330, 57.0695, 88.9262



62.9299, 57.0695, 108.8740



68.7529, 57.0695, 41.3565



46.3945, 57.0695, 31.1571

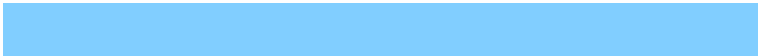


# Rectangle

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



41.9330, 57.0695, 88.9262



52.0021, 57.0695, 118.2003



68.7529, 57.0695, 41.3565



56.5471, 57.0695, 27.3812

# Sweetspot

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



41.9348, 57.0716, 88.9276



74.7439, 86.6783, 107.3989



33.0705, 61.8657, 16.5386



15.4364, 18.1689, 22.9433



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

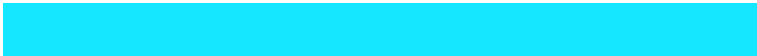


# Same Dimension

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



41.9348, 57.0716, 88.9276



46.7855, 64.2506, 104.5435



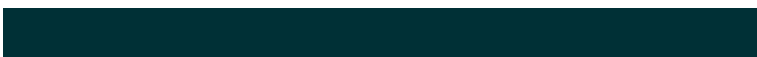
24.5568, 22.3156, 83.1349



15.3755, 16.8375, 19.3618



21.2923, 29.2317, 48.2630



1.7106, 2.3727, 3.8027



# Inverse Universe

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



48.9477, 25.8006, 68.7321



55.8519, 27.5164, 77.6060



48.9279, 44.9056, 9.7050



15.6431, 15.2851, 18.6719



25.6027, 12.4438, 35.3047

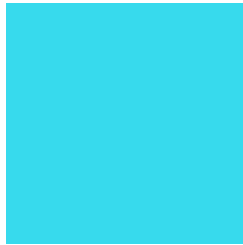


2.0300, 0.9849, 2.8751



# Previews

## White Background



This preview shows how the XYZ color 41.9330, 57.0695, 88.9262 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

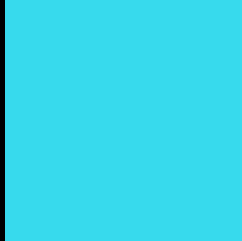
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.9330, 57.0695, 88.9262 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

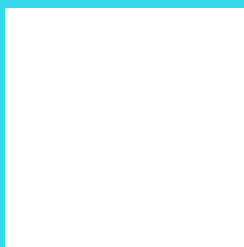
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 41.9330, 57.0695, 88.9262**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.9330, 57.0695, 88.9262.



This preview shows how white text looks on a background with the XYZ color 41.9330, 57.0695,



# 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

41.9330, 57.0695, 88.9262

### Protanopia

54.9171, 56.0912, 77.0395

### Deuteranopia

57.4958, 56.0803, 92.5883



## Tritanopia

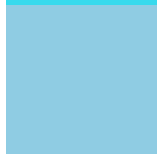
41.7330, 56.9832, 88.1562

# Trichromacy



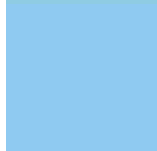
## Original Color

41.9330, 57.0695, 88.9262



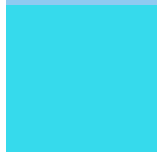
## Protanomaly

46.7857, 54.5714, 80.7405



## Deuteranomaly

48.3254, 54.4316, 91.1784



## Tritanomaly

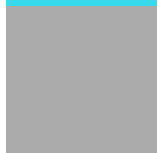
41.7330, 56.9832, 88.1562

# Monochromacy



## Original Color

41.9330, 57.0695, 88.9262



## Achromatopsia

38.7082, 40.7240, 44.3485



## Achromatomaly

36.8868, 44.5737, 58.2892

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.9330, 57.0695, 88.9262 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(55, 218, 237)` looks like.

```
.text, #text, p{  
    color:rgb(55, 218, 237)  
}
```

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(55, 218, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 218, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 41.9330, 57.0695, 88.9262 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(55, 218, 237) }
```



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

```
.border{ border-color:rgb(55, 218, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 218, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 218, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 218, 237);  
box-shadow:4px 4px 4px 4px rgb(55, 218,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.9330, 57.0695, 88.9262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 218, 237) }
```

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

```
.background{ background-color: rgb(55, 218,  
237) }
```

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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