

Converting Colors

XYZ(30.6548, 49.3448, 87.0680)

Have a look what the booklet for
XYZ(30.6548, 49.3448, 87.0680)
contains.

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Color

**XYZ(38.9346, 53.6446,
87.6593)**

Conversions

Conversions Part 1

Format	Color
Hex	00D5EC
RGB	0, 213, 236
RGB Percent	0%, 84%, 93%
CMY	0.9997, 0.1647, 0.0745
CMYK	1.00, 0.10, 0.00, 0.07
HSL	186°, 100%, 46%
HSV	186°, 100%, 93%
XYZ	38.9346, 53.6446, 87.6593
YIQ	151.9350, -134.3310, -38.0030

Conversions

Conversions Part 2

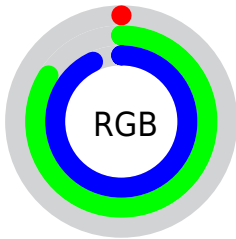
Format	Color
RYB	0, 112, 236
Decimal	54764
CIELab	78.25, -34.93, -23.55
CIELCh	78, 42.126, 213.987
Yxy	53.6446, 0.2160, 0.2976
Android (android.graphics.Color)	4278244844 (0xFF00D5EC)
YUV	151.9350, 41.4440, -133.2470
Hunter-Lab	73.2425, -33.2864, -19.6907

Details

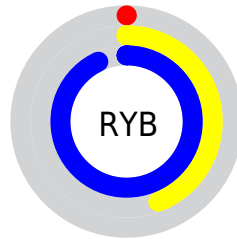
The XYZ color **38.9346, 53.6446, 87.6593** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **34.9006, 18.4487, 1.7234**, and the grayscale version is **29.6948, 31.2412, 34.0217**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **20.4651, 27.7490, 47.4575** is the 20% darker color. If you saturate the color by 10%, you get **38.9338, 53.6428, 87.6600**, and if you desaturate by 10%, it is **39.8871, 55.0018, 87.8721**.

Distribution



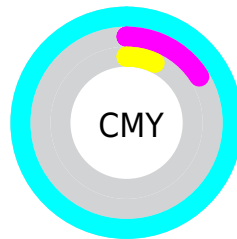
- Red (0%)
- Green (84%)
- Blue (93%)



- Red (0%)
- Yellow (44%)
- Blue (93%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (7%)





- Cyan (100%)
- Magenta (16%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9346, 53.6446, 87.6593 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 38.9346, 53.6446, 87.6593 by changing the saturation by 10% instead.


 38.9346, 53.6446,
87.6593


 38.9346, 53.6446,
87.6593


332.8243,
400.7533, 540.7592


 26.8894, 38.3176,
65.4782


 72.8331, 95.5522,
145.9897


 17.6263, 26.2293,
47.3951


 95.4171, 122.9016,
182.9761


 10.7801, 16.9952,
32.9916


 122.2447,
155.0273, 225.7347

 5.9854, 10.2311,
21.8489

 153.6812,
192.3136, 274.6840

 2.8768, 5.5525,
13.5487

 190.0921,
235.1450, 330.2425

 1.0889, 2.5749,
7.6723

231.8427,

 0.0158, 0.9141,

283.9058, 392.8289

3.8012

279.2983,
338.9804, 462.8616

■ 0.0000, 0.0000,
1.5169

■ 0.0000, 0.0000,
0.2305

■ 38.9346, 53.6446,
87.6593

■ 38.9346, 53.6446,
87.6593

■ 38.9338, 53.6428,
87.6600

■ 39.8871, 55.0018,
87.8721

■ 41.2940, 56.6045,
88.1073

■ 43.2975, 58.5270,
88.3728

■ 45.9805, 60.8122,
88.6725

■ 49.4127, 63.4959,
89.0096

■ 53.6551, 66.6098,
89.3870

■ 58.7623, 70.1819,
89.8073

■ 64.7843, 74.2382,
90.2729

■ 71.7670, 78.8023,
90.7858

Harmonies

Analogous

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



36.7454, 53.6446, 61.6252



38.9346, 53.6446, 87.6593



44.3429, 53.6446, 109.4810

Triad

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



38.9346, 53.6446, 87.6593



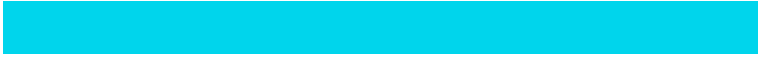
66.6111, 53.6446, 80.6828



49.8928, 53.6446, 23.8037

Complementary

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



38.9346, 53.6446, 87.6593



34.9006, 18.4487, 1.7234

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.



58.2650, 53.6446, 26.3591



38.9346, 53.6446, 87.6593



68.5031, 53.6446, 55.3083

Square

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



38.9346, 53.6446, 87.6593



60.3776, 53.6446, 104.7499



65.3020, 53.6446, 36.5195



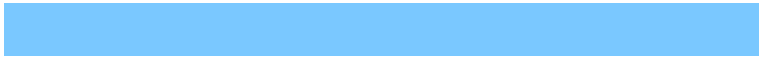
42.6254, 53.6446, 28.2612

Rectangle

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



38.9346, 53.6446, 87.6593



49.3440, 53.6446, 116.2309



65.3020, 53.6446, 36.5195



52.6673, 53.6446, 23.8807

Sweetspot

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



38.9363, 53.6465, 87.6606



69.9521, 83.5983, 107.0570



30.1206, 60.0417, 10.6509



14.3946, 17.4936, 22.8679



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.



38.9363, 53.6465, 87.6606



46.3866, 63.8931, 104.4955



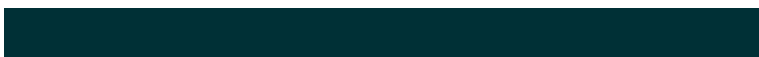
19.5441, 14.8621, 81.1965



15.3849, 16.8562, 19.3650



21.5142, 29.6754, 48.3370



1.7258, 2.4031, 3.8078

Inverse Universe

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



46.6039, 22.6388, 64.8661



55.5430, 26.9812, 77.2485



43.6378, 35.9230, 4.6358



15.6478, 15.2870, 18.6967



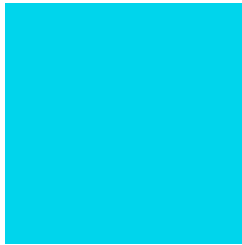
25.7147, 12.4886, 35.8944



2.0376, 0.9880, 2.9155

Previews

White Background



This preview shows how the XYZ color 38.9346, 53.6446, 87.6593 looks on a white background.

Color Contrast Check

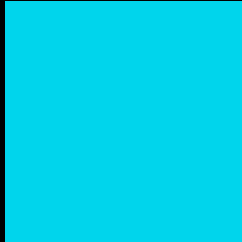
Large Text (above 18pt) WCAG AA × Fail

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 38.9346, 53.6446, 87.6593 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 38.9346, 53.6446, 87.6593

Background



This preview shows how black text looks on a background with the XYZ color 38.9346, 53.6446, 87.6593.



This preview shows how white text looks on a background with the XYZ color 38.9346, 53.6446,

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

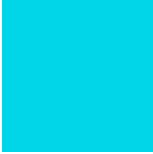
38.9346, 53.6446, 87.6593

Protanopia

51.9581, 52.6122, 75.8233

Deuteranopia

54.0178, 52.6915, 91.3278



Tritanopia

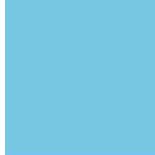
38.4704, 53.8627, 83.9702

Trichromacy



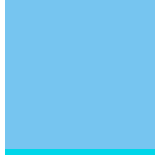
Original Color

38.9346, 53.6446, 87.6593



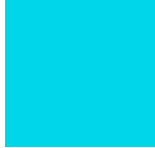
Protanomaly

41.5293, 49.8011, 79.3753



Deuteranomaly

43.1656, 50.0753, 89.8285



Tritanomaly

38.7545, 53.9763, 85.4667

Monochromacy



Original Color

38.9346, 53.6446, 87.6593



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

28.6131, 36.2324, 50.2852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9346, 53.6446, 87.6593 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(0, 213, 236)` looks like.

```
.text, #text, p{  
    color:rgb(0, 213, 236)  
}
```

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(0, 213, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 213, 236) }
```

Border

The CSS property to change the border of an element to XYZ 38.9346, 53.6446, 87.6593 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(0, 213, 236) }
```


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

```
.border{ border-color:rgb(0, 213, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 213, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 213, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 213, 236);  
box-shadow:4px 4px 4px 4px rgb(0, 213,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9346, 53.6446, 87.6593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 213, 236) }
```

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

```
.background{ background-color: rgb(0, 213,  
236) }
```

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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