

Converting Colors

XYZ(40.2230, 55.9519, 88.9186)

Have a look what the booklet for
XYZ(40.2230, 55.9519, 88.9186)
contains.

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Color

**XYZ(40.0989, 55.7401,
88.7663)**

Conversions

Conversions Part 1

Format	Color
Hex	00D9ED
RGB	0, 217, 237
RGB Percent	0%, 85%, 93%
CMY	0.9997, 0.1490, 0.0706
CMYK	1.00, 0.08, 0.00, 0.07
HSL	185°, 100%, 46%
HSV	185°, 100%, 93%
XYZ	40.0989, 55.7401, 88.7663
YIQ	154.3970, -135.7520, -39.7840

Conversions

Conversions Part 2

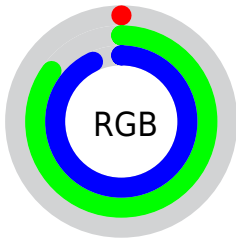
Format	Color
RYB	0, 113, 237
Decimal	55789
CIELab	79.47, -36.49, -22.24
CIElCh	79, 42.731, 211.363
Yxy	55.7401, 0.2172, 0.3019
Android (android.graphics.Color)	4278245869 (0xFF00D9ED)
YUV	154.3970, 40.7233, -135.4062
Hunter-Lab	74.6593, -34.7829, -18.2314

Details

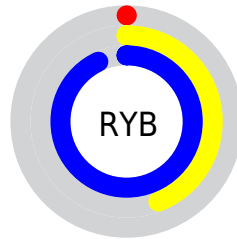
The XYZ color **40.0989, 55.7401, 88.7663** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **35.1771, 18.5074, 1.7201**, and the grayscale version is **30.7679, 32.3702, 35.2511**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **21.2608, 29.1769, 48.2272** is the 20% darker color. If you saturate the color by 10%, you get **40.0985, 55.7389, 88.7672**, and if you desaturate by 10%, it is **40.9898, 56.9706, 88.9579**.

Distribution



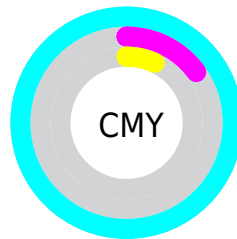
- Red (0%)
- Green (85%)
- Blue (93%)



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



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (15%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0989, 55.7401, 88.7663 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 40.0989, 55.7401, 88.7663 by changing the saturation by 10% instead.

40.0989, 55.7401,
88.7663

40.0989, 55.7401,
88.7663

337.6675,
408.7113, 544.4757

27.8002, 39.9946,
66.3899

74.5975, 98.6245,
147.5440

18.3148, 27.5343,
48.1305

97.5281, 126.5321,
184.7825

11.2773, 17.9749,
33.5695

124.7334,
159.2626, 227.8121

6.3223, 10.9320,
22.2884

156.5787,
197.2003, 277.0513

3.0846, 6.0211,
13.8686

193.4294,
240.7296, 332.9188

1.1986, 2.8579,
7.8917

235.6509,

0.1053, 1.0580,

290.2350, 395.8329

3.9389

283.6085,
346.1007, 466.2124

■ 0.0000, 0.0000,
1.5919

■ 0.0000, 0.0000,
0.2850

■ 40.0989, 55.7401,
88.7663

■ 40.0989, 55.7401,
88.7663

■ 40.0985, 55.7389,
88.7672

■ 40.9898, 56.9706,
88.9579

■ 42.3375, 58.4448,
89.1714

■ 44.2856, 60.2379,
89.4149

■ 46.9179, 62.3930,
89.6921

■ 50.3048, 64.9465,
90.0065

■ 54.5078, 67.9303,
90.3609

■ 59.5823, 71.3727,
90.7579

■ 65.5785, 75.2998,
91.1998

■ 72.5431, 79.7357,
91.6890

Harmonies

Analogous

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



38.1330, 55.7401, 61.8228



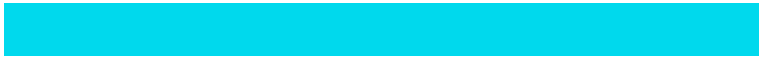
40.0989, 55.7401, 88.7663



45.4564, 55.7401, 112.3480

Triad

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



40.0989, 55.7401, 88.7663



68.8253, 55.7401, 86.2805



52.5877, 55.7401, 24.6400

Complementary

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



40.0989, 55.7401, 88.7663



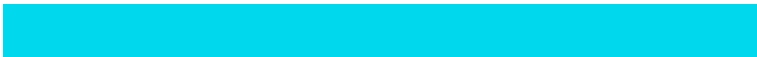
35.1771, 18.5074, 1.7201

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.



61.2895, 55.7401, 27.9402



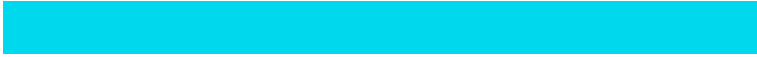
40.0989, 55.7401, 88.7663



71.2515, 55.7401, 59.5740

Square

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



40.0989, 55.7401, 88.7663



62.0419, 55.7401, 110.6614



68.3590, 55.7401, 39.2647



44.8452, 55.7401, 28.6160

Rectangle

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



40.0989, 55.7401, 88.7663



50.5392, 55.7401, 120.4442



68.3590, 55.7401, 39.2647



55.4967, 55.7401, 24.9277

Sweetspot

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



40.1007, 55.7421, 88.7677



70.2597, 84.2135, 107.1595



30.4100, 60.6195, 10.7509



14.4693, 17.6430, 22.8928



0.0000, 0.0000, 0.0000



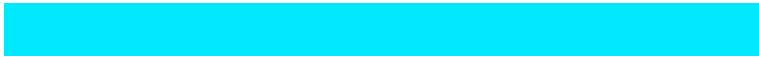
20.3446, 21.4041, 23.3091

Same Dimension

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



40.1007, 55.7421, 88.7677



47.3241, 65.7682, 104.8080



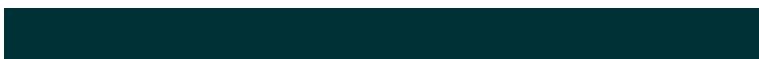
19.7288, 14.9985, 81.9771



15.4026, 16.8917, 19.3709



21.9398, 30.5266, 48.4788



1.7549, 2.4613, 3.8175

Inverse Universe

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



47.4510, 23.0161, 67.5892



56.0162, 27.1705, 79.7405



44.0542, 36.2616, 4.6791



15.6568, 15.2906, 18.7439



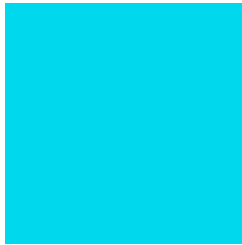
25.9295, 12.5745, 37.0257



2.0523, 0.9939, 2.9927

Previews

White Background



This preview shows how the XYZ color 40.0989, 55.7401, 88.7663 looks on a white background.

Color Contrast Check

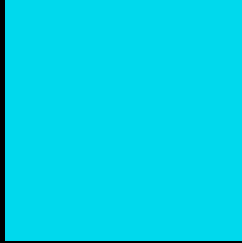
Large Text (above 18pt) WCAG AA × Fail

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 40.0989, 55.7401, 88.7663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

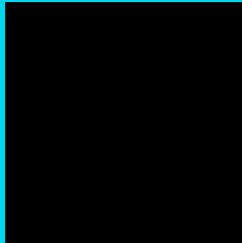
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.0989, 55.7401, 88.7663

Background



This preview shows how black text looks on a background with the XYZ color 40.0989, 55.7401, 88.7663.



This preview shows how white text looks on a background with the XYZ color 40.0989, 55.7401,

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

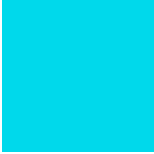
40.0989, 55.7401, 88.7663

Protanopia

53.9625, 54.9339, 76.8664

Deuteranopia

56.0437, 54.6798, 92.3945



Tritanopia

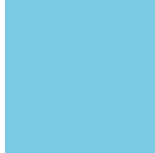
39.8083, 55.6239, 87.2356

Trichromacy



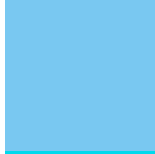
Original Color

40.0989, 55.7401, 88.7663



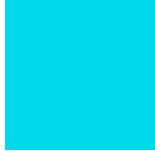
Protanomaly

43.0117, 51.9247, 80.4286



Deuteranomaly

44.4166, 51.7244, 90.8619



Tritanomaly

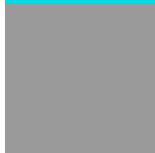
39.9532, 55.6818, 87.9988

Monochromacy



Original Color

40.0989, 55.7401, 88.7663



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

29.4109, 37.5016, 51.0358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0989, 55.7401, 88.7663 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, 217, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 217, 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(0, 217, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 217, 237) }
```

Border

The CSS property to change the border of an element to XYZ 40.0989, 55.7401, 88.7663 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, 217, 237) }
```


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

```
.border{ border-color:rgb(0, 217, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 217, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 217, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 217, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 217,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0989, 55.7401, 88.7663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 217, 237) }
```

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

```
.background{ background-color: rgb(0, 217,  
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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