

Converting Colors

XYZ(33.7244, 44.1327, 83.1222)

Have a look what the booklet for
XYZ(33.7244, 44.1327, 83.1222)
contains.

XYZ(33.6355, 43.9661, 83.0575)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.6355, 43.9661,
83.0575)**

Conversions

Conversions Part 1

Format	Color
Hex	00C1E8
RGB	0, 193, 232
RGB Percent	0%, 76%, 91%
CMY	0.9997, 0.2431, 0.0902
CMYK	1.00, 0.17, 0.00, 0.09
HSL	190°, 100%, 46%
HSV	190°, 100%, 91%
XYZ	33.6355, 43.9661, 83.0575
YIQ	139.7390, -127.5470, -28.7870

Conversions

Conversions Part 2

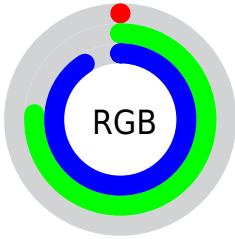
Format	Color
RYB	0, 105, 232
Decimal	49640
CIELab	72.21, -26.53, -30.66
CIELCh	72, 40.549, 229.128
Yxy	43.9661, 0.2094, 0.2737
Android (android.graphics.Color)	4278239720 (0xFF00C1E8)
YUV	139.7390, 45.4847, -122.5511
Hunter-Lab	66.3069, -25.4895, -27.8531

Details

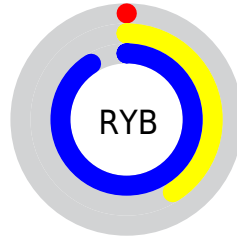
The XYZ color **33.6355, 43.9661, 83.0575** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **34.0072, 18.6115, 1.8019**, and the grayscale version is **24.6990, 25.9853, 28.2980**.

A 20% lighter version of the original color is **58.5423, 78.8424, 106.7403**, and **17.0691, 21.5998, 44.3438** is the 20% darker color. If you saturate the color by 10%, you get **33.6336, 43.9622, 83.0577**, and if you desaturate by 10%, it is **34.8695, 45.9002, 83.3667**.

Distribution



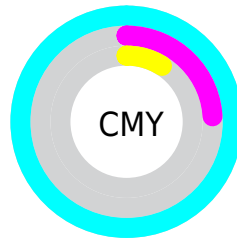
- Red (0%)
- Green (76%)
- Blue (91%)



- Red (0%)
- Yellow (41%)
- Blue (91%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (24%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6355, 43.9661, 83.0575 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 33.6355, 43.9661, 83.0575 by changing the saturation by 10% instead.

33.6355, 43.9661,
83.0575

33.6355, 43.9661,
83.0575

310.1183,
362.5699, 525.1542

22.7753, 30.6439,
61.6967

64.7145, 81.1667,
139.5059

14.5474, 20.3278,
44.3535

85.6640, 105.8139,
175.4307

8.5866, 12.6336,
30.6093

110.7073,
135.0049, 217.0471

4.5275, 7.1767,
20.0455

140.2098,
169.1240, 264.7738

2.0047, 3.5729,
12.2437

174.5367,
208.5556, 319.0294

0.6366, 1.4376,
6.7853

214.0536,

0.0000, 0.2442,

253.6842, 380.2322

3.2518

259.1256,
304.8942, 448.8010

■ 0.0000, 0.0000,
1.2246

■ 0.0000, 0.0000,
0.0000

■ 33.6355, 43.9661,
83.0575

■ 33.6355, 43.9661,
83.0575

■ 33.6336, 43.9622,
83.0577

■ 34.8695, 45.9002,
83.3667

■ 36.5546, 48.1001,
83.7025

■ 38.8284, 50.6378,
84.0725

■ 41.7705, 53.5545,
84.4804

■ 45.4477, 56.8850,
84.9294

■ 49.9186, 60.6596,
85.4223

■ 55.2357, 64.9058,
85.9617

■ 61.4471, 69.6484,
86.5497

■ 68.5970, 74.9106,
87.1886

Harmonies

Analogous

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



30.3862, 43.9661, 61.5472



33.6355, 43.9661, 83.0575



39.3169, 43.9661, 96.1828

Triad

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



33.6355, 43.9661, 83.0575



56.3423, 43.9661, 55.4637



37.5586, 43.9661, 20.0418

Complementary

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



33.6355, 43.9661, 83.0575



34.0072, 18.6115, 1.8019

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.



44.3615, 43.9661, 19.2539



33.6355, 43.9661, 83.0575



55.7365, 43.9661, 36.3885

Square

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



33.6355, 43.9661, 83.0575



52.7362, 43.9661, 77.5554



51.1627, 43.9661, 24.3617



32.4715, 43.9661, 26.9317

Rectangle

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



33.6355, 43.9661, 83.0575



43.9456, 43.9661, 96.5055



51.1627, 43.9661, 24.3617



39.7031, 43.9661, 19.1438

Sweetspot

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



33.6370, 43.9676, 83.0586



68.3179, 80.3299, 106.5122



29.2194, 57.8590, 11.5234



13.9987, 16.7019, 22.7359



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.



33.6370, 43.9676, 83.0586



41.6241, 54.3683, 102.9080



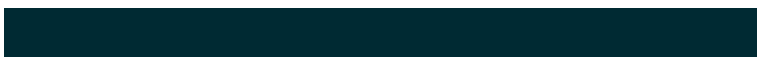
17.2470, 11.1876, 77.5953



14.5904, 15.9022, 18.4448



18.7525, 24.5670, 46.1367



1.4406, 1.9252, 3.4276

Inverse Universe

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



42.9057, 21.0078, 52.2470



53.1391, 26.0197, 64.5900



44.9493, 40.4958, 5.4493



14.8856, 14.5714, 17.5979



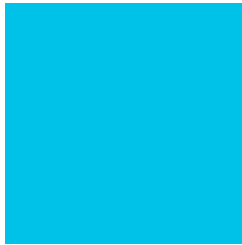
23.8589, 11.6778, 29.2155



1.7908, 0.8740, 2.3049

Previews

White Background



This preview shows how the XYZ color 33.6355, 43.9661, 83.0575 looks on a white background.

Color Contrast Check

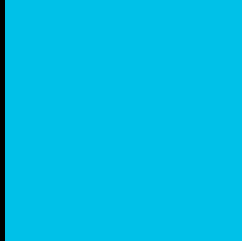
Large Text (above 18pt) WCAG AA × Fail

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 33.6355, 43.9661, 83.0575 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

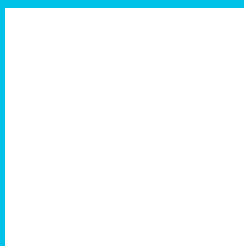
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.6355, 43.9661, 83.0575

Background



This preview shows how black text looks on a background with the XYZ color 33.6355, 43.9661, 83.0575.



This preview shows how white text looks on a background with the XYZ color 33.6355, 43.9661,

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

33.6355, 43.9661, 83.0575

Protanopia

43.3080, 43.3334, 72.4113

Deuteranopia

44.5277, 43.3725, 86.1456



Tritanopia

31.2730, 43.7334, 68.4211

Trichromacy



Original Color

33.6355, 43.9661, 83.0575



Protanomaly

35.6689, 41.3787, 75.9190



Deuteranomaly

36.6835, 41.4074, 84.6563



Tritanomaly

32.0780, 43.6980, 73.7617

Monochromacy



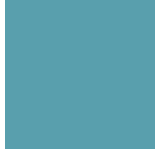
Original Color

33.6355, 43.9661, 83.0575



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

24.0608, 29.9373, 44.0455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6355, 43.9661, 83.0575 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, 193, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 232)  
}
```

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, 193, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 232) }
```

Border

The CSS property to change the border of an element to XYZ 33.6355, 43.9661, 83.0575 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, 193, 232) }
```


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

```
.border{ border-color:rgb(0, 193, 232) }
```

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

Here you see how a box with a 4 pixel rgb(0, 193, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6355, 43.9661, 83.0575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 193, 232) }
```

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

```
.background{ background-color: rgb(0, 193,  
232) }
```

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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