

Converting Colors

XYZ(33.2256, 43.1351, 82.9559)

Have a look what the booklet for
XYZ(33.2256, 43.1351, 82.9559)
contains.

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Color

**XYZ(33.1963, 43.0878,
82.9111)**

Conversions

Conversions Part 1

Format	Color
Hex	00BFE8
RGB	0, 191, 232
RGB Percent	0%, 75%, 91%
CMY	0.9998, 0.2510, 0.0902
CMYK	1.00, 0.18, 0.00, 0.09
HSL	191°, 100%, 46%
HSV	191°, 100%, 91%
XYZ	33.1963, 43.0878, 82.9111
YIQ	138.5650, -126.9970, -27.7410

Conversions

Conversions Part 2

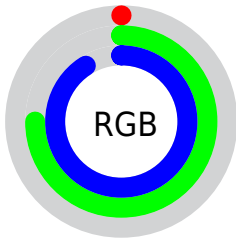
Format	Color
RYB	0, 105, 232
Decimal	49128
CIELab	71.61, -25.53, -31.57
CIELCh	72, 40.605, 231.040
Yxy	43.0878, 0.2085, 0.2707
Android (android.graphics.Color)	4278239208 (0xFF00BFE8)
YUV	138.5650, 46.0635, -121.5215
Hunter-Lab	65.6413, -24.6008, -28.9399

Details

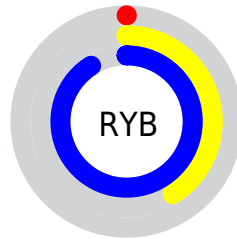
The XYZ color **33.1963, 43.0878, 82.9111** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **34.0745, 18.7462, 1.8242**, and the grayscale version is **24.2450, 25.5077, 27.7779**.

A 20% lighter version of the original color is **57.9241, 77.6060, 106.5343**, and **16.7821, 21.0259, 44.2482** is the 20% darker color. If you saturate the color by 10%, you get **33.1946, 43.0841, 82.9113**, and if you desaturate by 10%, it is **34.4633, 45.0881, 83.2313**.

Distribution



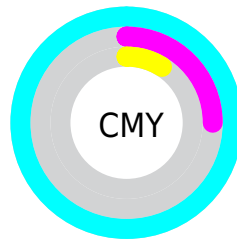
- Red (0%)
- Green (75%)
- Blue (91%)



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



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (25%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1963, 43.0878, 82.9111 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 33.1963, 43.0878, 82.9111 by changing the saturation by 10% instead.

33.1963, 43.0878,
82.9111

33.1963, 43.0878,
82.9111

308.1827,
358.9727, 524.6534

22.4368, 29.9540,
61.5766

64.0345, 79.8433,
139.2991

14.2966, 19.8037,
44.2571

84.8440, 104.2339,
175.1896

8.4103, 12.2524,
30.5340

109.7341,
133.1454, 216.7693

4.4126, 6.9158,
19.9888

139.0703,
166.9625, 264.4567

1.9381, 3.4095,
12.2029

173.2179,
206.0693, 318.6702

0.5988, 1.3491,
6.7578

212.5423,

0.0000, 0.1787,

250.8504, 379.8285

3.2350

257.4087,
301.6900, 448.3501

■ 0.0000, 0.0000,
1.2158

■ 0.0000, 0.0000,
0.0000

■ 33.1963, 43.0878,
82.9111

■ 33.1963, 43.0878,
82.9111

■ 33.1946, 43.0841,
82.9113

■ 34.4633, 45.0881,
83.2313

■ 36.1838, 47.3589,
83.5789

■ 38.4953, 49.9721,
83.9615

■ 41.4774, 52.9690,
84.3828

■ 45.1970, 56.3846,
84.8460

■ 49.7127, 60.2491,
85.3539

■ 55.0771, 64.5901,
85.9091

■ 61.3383, 69.4326,
86.5138

■ 68.5405, 74.7996,
87.1701

Harmonies

Analogous

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



29.8201, 43.0878, 61.8511



33.1963, 43.0878, 82.9111



38.9305, 43.0878, 95.0879

Triad

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



33.1963, 43.0878, 82.9111



55.4377, 43.0878, 53.0577



36.3917, 43.0878, 19.7226

Complementary

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



33.1963, 43.0878, 82.9111



34.0745, 18.7462, 1.8242

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.



43.0457, 43.0878, 18.5886



33.1963, 43.0878, 82.9111



54.5618, 43.0878, 34.6011

Square

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



33.1963, 43.0878, 82.9111



52.1085, 43.0878, 74.9510



49.8341, 43.0878, 23.2174



31.5165, 43.0878, 26.9209

Rectangle

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



33.1963, 43.0878, 82.9111



43.5358, 43.0878, 94.7064



49.8341, 43.0878, 23.2174



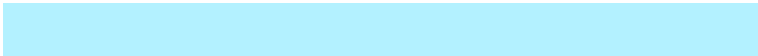
38.4757, 43.0878, 18.7176

Sweetspot

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



33.1978, 43.0893, 82.9122



68.1219, 79.9379, 106.4469



29.2193, 57.8589, 11.5230



13.9513, 16.6072, 22.7201



0.0000, 0.0000, 0.0000



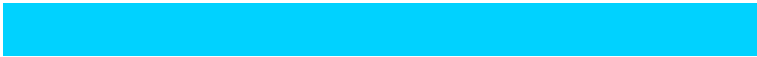
20.3446, 21.4041, 23.3091

Same Dimension

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



33.1978, 43.0893, 82.9122



41.0780, 53.2761, 102.7260



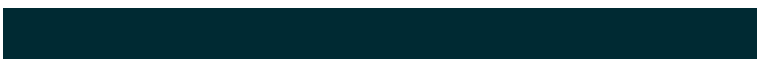
17.2466, 11.1871, 77.5951



14.5794, 15.8801, 18.4411



18.5117, 24.0855, 46.0565



1.4250, 1.8939, 3.4224

Inverse Universe

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



42.6840, 20.9190, 51.0797



52.8635, 25.9094, 63.1385



44.9490, 40.4952, 5.4491



14.8800, 14.5692, 17.5686



23.7374, 11.6292, 28.5757



1.7829, 0.8709, 2.2632

Previews

White Background



This preview shows how the XYZ color 33.1963, 43.0878, 82.9111 looks on a white background.

Color Contrast Check

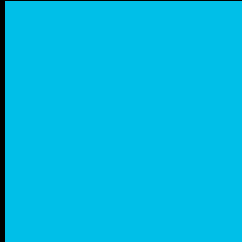
Large Text (above 18pt) WCAG AA × Fail

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 33.1963, 43.0878, 82.9111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

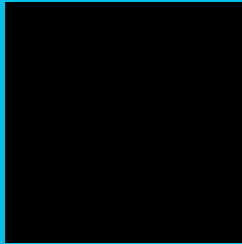
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.1963, 43.0878, 82.9111

Background



This preview shows how black text looks on a background with the XYZ color 33.1963, 43.0878, 82.9111.



This preview shows how white text looks on a background with the XYZ color 33.1963, 43.0878,

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

33.1963, 43.0878, 82.9111

Protanopia

42.5117, 42.3535, 72.2641

Deuteranopia

43.6031, 42.6291, 85.2870



Tritanopia

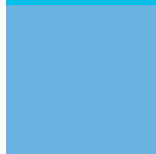
30.8004, 43.1870, 67.0342

Trichromacy



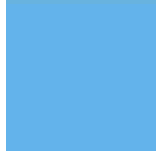
Original Color

33.1963, 43.0878, 82.9111



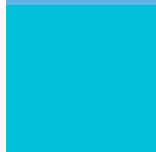
Protanomaly

35.1483, 40.5110, 75.7789



Deuteranomaly

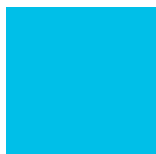
36.2611, 40.8910, 84.5789



Tritanomaly

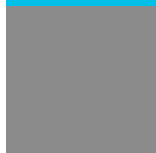
31.5943, 43.1497, 72.3092

Monochromacy



Original Color

33.1963, 43.0878, 82.9111



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

23.7942, 29.5456, 43.9839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1963, 43.0878, 82.9111 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, 191, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 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, 191, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 232) }
```

Border

The CSS property to change the border of an element to XYZ 33.1963, 43.0878, 82.9111 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, 191, 232) }
```


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

```
.border{ border-color:rgb(0, 191, 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, 191, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1963, 43.0878, 82.9111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 232) }
```

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

```
.background{ background-color: rgb(0, 191,  
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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