

Converting Colors

XYZ(33.5639, 44.3235, 80.1851)

Have a look what the booklet for
XYZ(33.5639, 44.3235, 80.1851)
contains.

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Color

**XYZ(33.5639, 44.3235,
80.1851)**

Conversions

Conversions Part 1

Format	Color
Hex	13C2E4
RGB	19, 194, 228
RGB Percent	7%, 76%, 89%
CMY	0.9254, 0.2392, 0.1059
CMYK	0.92, 0.15, 0.00, 0.11
HSL	190°, 85%, 48%
HSV	190°, 92%, 89%
XYZ	33.5639, 44.3235, 80.1851
YIQ	145.5510, -115.2140, -26.5260

Conversions

Conversions Part 2

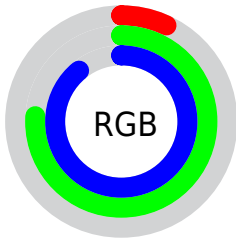
Format	Color
R _Y B	19, 114, 228
Decimal	1295076
CIE Lab	72.44, -27.81, -28.12
CIE LCh	72, 39.551, 225.314
Yxy	44.3235, 0.2123, 0.2804
Android (android.graphics.Color)	4279485156 (0xFF13C2E4)
YUV	145.5510, 40.6474, -110.9852
Hunter-Lab	66.5759, -26.5180, -24.8067

Details

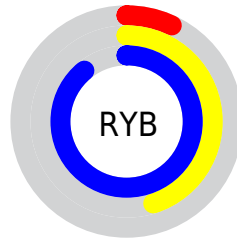
The XYZ color **33.5639, 44.3235, 80.1851** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **33.3877, 19.0904, 2.5427**, and the grayscale version is **27.0157, 28.4226, 30.9522**.

A 20% lighter version of the original color is **59.2293, 79.6591, 106.8618**, and **16.8245, 21.7347, 42.3382** is the 20% darker color. If you saturate the color by 10%, you get **32.6141, 42.8221, 79.9462**, and if you desaturate by 10%, it is **35.0802, 46.3470, 80.4966**.

Distribution



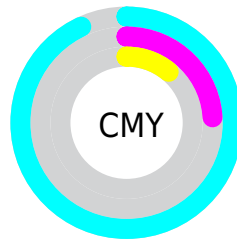
- Red (7%)
- Green (76%)
- Blue (89%)



- Red (7%)
- Yellow (45%)
- Blue (89%)



- Cyan (92%)
- Magenta (15%)
- Yellow (0%)
- Black (11%)



- Cyan (93%)
- Magenta (24%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5639, 44.3235, 80.1851 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 33.5639, 44.3235, 80.1851 by changing the saturation by 10% instead.

33.5639, 44.3235,
80.1851

33.5639, 44.3235,
80.1851

309.8033,
364.0268, 515.2796

22.7201, 30.9249,
59.3436

64.6037, 81.7043,
135.4397

14.5065, 20.5417,
42.4680

85.5304, 106.4553,
170.6899

8.5578, 12.7894,
29.1396

110.5488,
135.7593, 211.5801

4.5087, 7.2837,
18.9400

140.0243,
170.0005, 258.5288

1.9938, 3.6401,
11.4505

174.3221,
209.5635, 311.9545

0.6305, 1.4744,
6.2528

213.8076,

0.0000, 0.2706,

254.8326, 372.2759

2.9281

258.8462,
306.1922, 439.9114

■ 0.0000, 0.0000,
1.0580

■ 0.0000, 0.0000,
0.0000

■ 33.5639, 44.3235,
80.1851

■ 33.5639, 44.3235,
80.1851

■ 32.6141, 42.8221,
79.9462

■ 35.0802, 46.3470,
80.4966

■ 37.1447, 48.6831,
80.8387

■ 39.8376, 51.3742,
81.2162

■ 43.2248, 54.4544,
81.6322

■ 47.3633, 57.9534,
82.0895

■ 52.3045, 61.8979,
82.5904

■ 58.0949, 66.3120,
83.1373

■ 64.7776, 71.2182,
83.7320

■ 72.3925, 76.6372,
84.3767

Harmonies

Analogous

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



30.7050, 44.3235, 58.8736



33.5639, 44.3235, 80.1851



38.8907, 44.3235, 94.4618

Triad

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



33.5639, 44.3235, 80.1851



56.1273, 44.3235, 58.4205



38.7591, 44.3235, 20.3471

Complementary

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



33.5639, 44.3235, 80.1851



33.3877, 19.0904, 2.5427

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.



45.5405, 44.3235, 20.2872



33.5639, 44.3235, 80.1851



56.0822, 44.3235, 39.0067

Square

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



33.5639, 44.3235, 80.1851



52.1550, 44.3235, 79.7771



52.0378, 44.3235, 26.1830



33.4766, 44.3235, 26.3773

Rectangle

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



33.5639, 44.3235, 80.1851



43.3543, 44.3235, 96.1386



52.0378, 44.3235, 26.1830



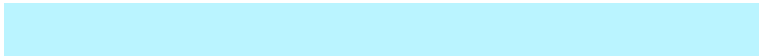
40.9254, 44.3235, 19.6953

Sweetspot

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



33.5654, 44.3251, 80.1862



70.6262, 82.2579, 106.7627



28.5969, 55.8598, 12.3354



14.5866, 17.1984, 22.8008



0.0000, 0.0000, 0.0000



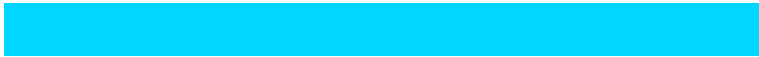
20.3446, 21.4041, 23.3091

Same Dimension

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



33.5654, 44.3251, 80.1862



41.9733, 55.0666, 103.0244



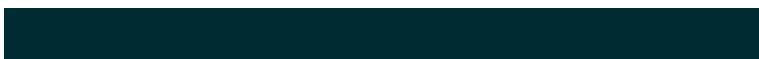
18.1151, 13.4245, 75.0361



14.5973, 15.9161, 18.4471



18.9063, 24.8747, 46.1880



1.4506, 1.9452, 3.4310

Inverse Universe

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



41.9666, 20.8562, 52.8543



53.3154, 26.0901, 65.5180



43.8116, 39.9383, 6.0173



14.8891, 14.5728, 17.6164



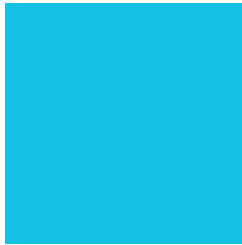
23.9365, 11.7088, 29.6245



1.7958, 0.8760, 2.3314

Previews

White Background



This preview shows how the XYZ color 33.5639, 44.3235, 80.1851 looks on a white background.

Color Contrast Check

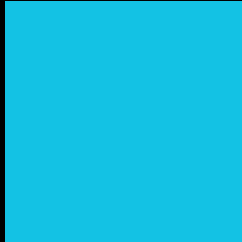
Large Text (above 18pt) WCAG AA × Fail

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 33.5639, 44.3235, 80.1851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

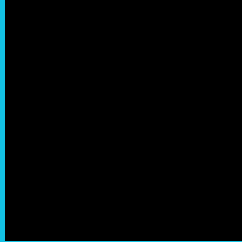
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.5639, 44.3235, 80.1851

Background



This preview shows how black text looks on a background with the XYZ color 33.5639, 44.3235, 80.1851.

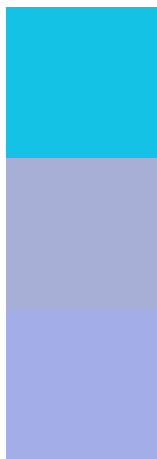


This preview shows how white text looks on a background with the XYZ color 33.5639, 44.3235,

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

33.5639, 44.3235, 80.1851

Protanopia

43.4039, 43.7305, 69.7715

Deuteranopia

44.9483, 43.9418, 83.2034



Tritanopia

31.6236, 44.2333, 69.1585

Trichromacy



Original Color

33.5639, 44.3235, 80.1851



Protanomaly

36.3242, 42.0811, 73.2258



Deuteranomaly

37.5032, 42.1968, 81.7695



Tritanomaly

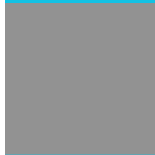
32.2576, 44.1373, 73.1489

Monochromacy



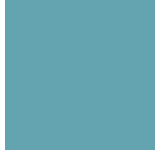
Original Color

33.5639, 44.3235, 80.1851



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

26.1892, 32.0383, 45.8780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5639, 44.3235, 80.1851 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(19, 194, 228)` looks like.

```
.text, #text, p{  
    color:rgb(19, 194, 228)  
}
```

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(19, 194, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 194, 228) }
```

Border

The CSS property to change the border of an element to XYZ 33.5639, 44.3235, 80.1851 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(19, 194, 228) }
```


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

```
.border{ border-color:rgb(19, 194, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 194, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 194, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 194, 228);  
box-shadow:4px 4px 4px 4px rgb(19, 194,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5639, 44.3235, 80.1851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 194, 228) }
```

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

```
.background{ background-color: rgb(19, 194,  
228) }
```

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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