

Converting Colors

XYZ(34.9292, 44.3422, 88.3805)

Have a look what the booklet for
XYZ(34.9292, 44.3422, 88.3805)
contains.

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Color

**XYZ(34.8305, 44.1379,
88.3451)**

Conversions

Conversions Part 1

Format	Color
Hex	19C0EF
RGB	25, 192, 239
RGB Percent	10%, 75%, 94%
CMY	0.9018, 0.2470, 0.0627
CMYK	0.90, 0.20, 0.00, 0.06
HSL	193°, 87%, 52%
HSV	193°, 90%, 94%
XYZ	34.8305, 44.1379, 88.3451
YIQ	147.4250, -114.6190, -20.7870

Conversions

Conversions Part 2

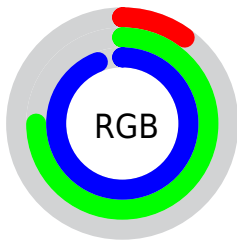
Format	Color
R _Y B	25, 119, 239
Decimal	1687791
CIE Lab	72.32, -22.89, -34.26
CIE LCh	72, 41.205, 236.255
Yxy	44.1379, 0.2082, 0.2638
Android (android.graphics.Color)	4279877871 (0xFF19C0EF)
YUV	147.4250, 45.1465, -107.3667
Hunter-Lab	66.4364, -22.6817, -32.3366

Details

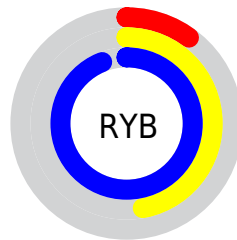
The XYZ color **34.8305, 44.1379, 88.3451** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **38.0922, 23.0601, 3.3649**, and the grayscale version is **27.7664, 29.2124, 31.8123**.

A 20% lighter version of the original color is **58.9959, 78.6162, 106.6728**, and **17.6357, 21.5959, 48.0387** is the 20% darker color. If you saturate the color by 10%, you get **33.3122, 41.6751, 87.9506**, and if you desaturate by 10%, it is **36.8671, 46.9304, 88.7777**.

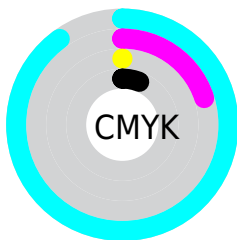
Distribution



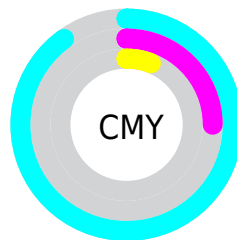
- Red (10%)
- Green (75%)
- Blue (94%)



- Red (10%)
- Yellow (47%)
- Blue (94%)



- Cyan (90%)
- Magenta (20%)
- Yellow (0%)
- Black (6%)





- Cyan (90%)
- Magenta (25%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8305, 44.1379, 88.3451 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 34.8305, 44.1379, 88.3451 by changing the saturation by 10% instead.


 34.8305, 44.1379,
88.3451


 34.8305, 44.1379,
88.3451


315.3407,
363.2707, 543.0633


 23.6982, 30.7789,
66.0429

 66.5589, 81.4252,
146.9529


 15.2334, 20.4306,
47.8506


 87.8857, 106.1223,
184.0956


 9.0708, 12.7084,
33.3494


 113.3414,
135.3677, 227.0222

 4.8449, 7.2281,
22.1209

 143.2913,
169.5455, 276.1513

 2.1903, 3.6051,
13.7466

 178.1009,
209.0404, 331.9014

 0.7376, 1.4552,
7.8079

218.1354,

 0.0000, 0.2569,

254.2366, 394.6911

3.8863

263.7602,
305.5186, 464.9389

■ 0.0000, 0.0000,
1.5632

■ 0.0000, 0.0000,
0.2643

■ 34.8305, 44.1379,
88.3451

■ 34.8305, 44.1379,
88.3451

■ 33.3122, 41.6751,
87.9506

■ 36.8671, 46.9304,
88.7777

■ 33.2454, 41.5625,
87.9324

■ 39.5536, 50.1189,
89.2515

■ 42.9769, 53.7495,
89.7718

■ 47.2086, 57.8597,
90.3422

■ 52.3117, 62.4826,
90.9655

■ 58.3427, 67.6479,
91.6446

■ 65.3532, 73.3827,
92.3821

■ 73.3910, 79.7123,
93.1802

■ 82.5005, 86.6602,
94.0411

Harmonies

Analogous

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



30.8824, 44.1379, 67.4649



34.8305, 44.1379, 88.3451



41.0683, 44.1379, 98.4459

Triad

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



34.8305, 44.1379, 88.3451



57.0658, 44.1379, 50.6522



36.2097, 44.1379, 20.8745

Complementary

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



34.8305, 44.1379, 88.3451



38.0922, 23.0601, 3.3649

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.



42.8478, 44.1379, 18.6945



34.8305, 44.1379, 88.3451



55.3929, 44.1379, 32.7840

Square

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



34.8305, 44.1379, 88.3451



54.3289, 44.1379, 73.1511



49.9830, 44.1379, 22.3704



31.6135, 44.1379, 29.4814

Rectangle

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



34.8305, 44.1379, 88.3451



45.8814, 44.1379, 96.0841



49.9830, 44.1379, 22.3704



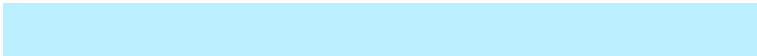
38.2531, 44.1379, 19.4922

Sweetspot

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



34.8320, 44.1394, 88.3462



69.4600, 79.9256, 106.3740



32.4185, 62.4008, 16.3634



14.3080, 16.6412, 22.7079



0.0000, 0.0000, 0.0000



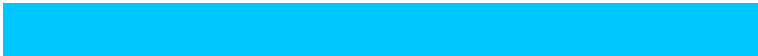
20.3446, 21.4041, 23.3091

Same Dimension

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



34.8320, 44.1394, 88.3462



38.4708, 48.0615, 101.8569



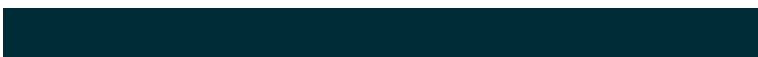
19.2823, 13.0401, 83.1630



15.9357, 17.3054, 20.2220



18.4731, 23.1705, 48.6266



1.6087, 2.0713, 4.0692

Inverse Universe

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



45.4600, 22.8535, 51.8857



51.5475, 25.3830, 56.2083



51.7683, 50.4122, 7.9236



16.2970, 15.9685, 19.1200



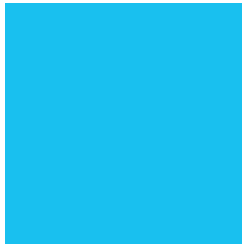
24.6500, 12.1324, 27.1372



2.0869, 1.0238, 2.4486

Previews

White Background



This preview shows how the XYZ color 34.8305, 44.1379, 88.3451 looks on a white background.

Color Contrast Check

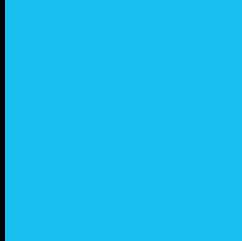
Large Text (above 18pt) WCAG AA × Fail

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 34.8305, 44.1379, 88.3451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

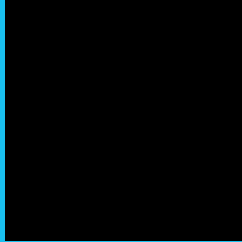
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.8305, 44.1379, 88.3451

Background



This preview shows how black text looks on a background with the XYZ color 34.8305, 44.1379, 88.3451.

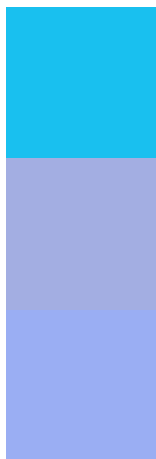


This preview shows how white text looks on a background with the XYZ color 34.8305, 44.1379,

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

34.8305, 44.1379, 88.3451

Protanopia

43.9678, 43.5496, 78.0401

Deuteranopia

44.6401, 43.6132, 90.8594



Tritanopia

31.4978, 44.1830, 68.4961

Trichromacy



Original Color

34.8305, 44.1379, 88.3451



Protanomaly

37.7577, 42.3280, 81.7814



Deuteranomaly

38.6143, 42.5844, 90.1888



Tritanomaly

32.6789, 44.3087, 75.2367

Monochromacy



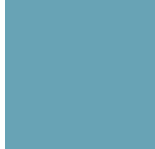
Original Color

34.8305, 44.1379, 88.3451



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

26.9289, 32.3732, 48.0094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8305, 44.1379, 88.3451 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(25, 192, 239)` looks like.

```
.text, #text, p{  
    color:rgb(25, 192, 239)  
}
```

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(25, 192, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 192, 239) }
```

Border

The CSS property to change the border of an element to XYZ 34.8305, 44.1379, 88.3451 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(25, 192, 239) }
```


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

```
.border{ border-color:rgb(25, 192, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 192, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 192, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 192, 239);  
box-shadow:4px 4px 4px 4px rgb(25, 192,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8305, 44.1379, 88.3451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 192, 239) }
```

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

```
.background{ background-color: rgb(25, 192,  
239) }
```

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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