

Converting Colors

XYZ(43.9871, 51.7149, 80.6437)

Have a look what the booklet for
XYZ(43.9871, 51.7149, 80.6437)
contains.

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Color

**XYZ(43.8795, 51.6799,
80.3356)**

Conversions

Conversions Part 1

Format	Color
Hex	83C8E3
RGB	131, 200, 227
RGB Percent	51%, 78%, 89%
CMY	0.4863, 0.2157, 0.1098
CMYK	0.42, 0.12, 0.00, 0.11
HSL	197°, 63%, 70%
HSV	197°, 42%, 89%
XYZ	43.8795, 51.6799, 80.3356
YIQ	182.4470, -49.7910, -6.2310

Conversions

Conversions Part 2

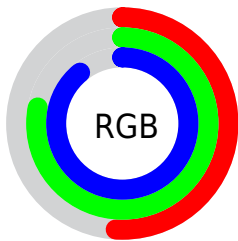
Format	Color
RYB	131, 171, 227
Decimal	8636643
CIELab	77.09, -14.81, -20.22
CIELCh	77, 25.067, 233.786
Yxy	51.6799, 0.2495, 0.2938
Android (android.graphics.Color)	4286826723 (0xFF83C8E3)
YUV	182.4470, 21.9646, -45.1190
Hunter-Lab	71.8887, -16.8523, -15.9344

Details

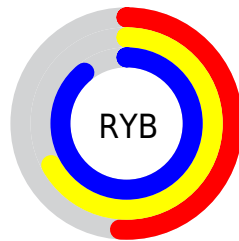
The XYZ color **43.8795, 51.6799, 80.3356** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **48.0033, 42.4244, 27.1330**, and the grayscale version is **44.6119, 46.9351, 51.1124**.

A 20% lighter version of the original color is **74.5490, 89.4314, 107.9406**, and **20.6269, 25.0322, 42.7743** is the 20% darker color. If you saturate the color by 10%, you get **39.2939, 47.1677, 79.7073**, and if you desaturate by 10%, it is **49.3003, 56.7166, 81.0230**.

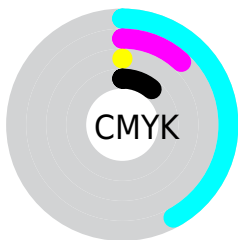
Distribution



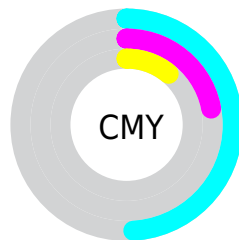
- Red (51%)
- Green (78%)
- Blue (89%)



- Red (51%)
- Yellow (67%)
- Blue (89%)



- Cyan (42%)
- Magenta (12%)
- Yellow (0%)
- Black (11%)



- Cyan (49%)
- Magenta (22%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.8795, 51.6799, 80.3356 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 43.8795, 51.6799, 80.3356 by changing the saturation by 10% instead.

■ 43.8795, 51.6799,
80.3356

■ 43.8795, 51.6799,
80.3356

353.0768,
393.1996, 515.7997

■ 30.7733, 36.7500,
59.4668

■ 80.2839, 92.6590,
135.6531

■ 20.5773, 25.0140,
42.5665

■ 104.3127,
119.4770, 170.9389

■ 12.9260, 16.0875,
29.2162

■ 132.7132,
151.0264, 211.8674

■ 7.4543, 9.5861,
18.9975

165.8506,
187.6917, 258.8572

■ 3.7966, 5.1254,
11.4917

204.0903,
229.8573, 312.3267

■ 1.5877, 2.3210,
6.2803

247.7977,

■ 0.3844, 0.7848,

277.9076, 372.6946

2.9447

297.3381,
332.2268, 440.3794

■ 0.0000, 0.0000,
1.0665

■ 0.0000, 0.0000,
0.0000

■ 43.8795, 51.6799,
80.3356

■ 43.8795, 51.6799,
80.3356

■ 39.2939, 47.1677,
79.7073

■ 49.3003, 56.7166,
81.0230

■ 35.4870, 43.1463,
79.1317

■ 55.5983, 62.2972,
81.7682

■ 32.4027, 39.5869,
78.6072

■ 62.8185, 68.4469,
82.5747

■ 29.9747, 36.4542,
78.1305

■ 71.0012, 75.1877,
83.4445

■ 28.1235, 33.7058,
77.6976

■ 80.1843, 82.5401,
84.3797

■ 26.9909, 31.7974,
77.3889

■ 85.7696, 88.1348,
85.1652

■ 87.6647, 91.9249,
85.7968

■ 89.6264, 95.8482,
86.4507

■ 90.8653, 98.3261,
86.8637

Harmonies

Analogous

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



41.1685, 51.6799, 67.5881



43.8795, 51.6799, 80.3356



48.1304, 51.6799, 86.7612

Triad

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



43.8795, 51.6799, 80.3356



58.8523, 51.6799, 59.1731



45.5000, 51.6799, 35.4285

Complementary

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



43.8795, 51.6799, 80.3356



48.0033, 42.4244, 27.1330

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.



50.1235, 51.6799, 33.9191



43.8795, 51.6799, 80.3356



58.0350, 51.6799, 46.2928

Square

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



43.8795, 51.6799, 80.3356



56.9284, 51.6799, 73.3290



54.7624, 51.6799, 37.5666



42.0607, 51.6799, 42.0869

Rectangle

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



43.8795, 51.6799, 80.3356



51.3467, 51.6799, 85.9568



54.7624, 51.6799, 37.5666



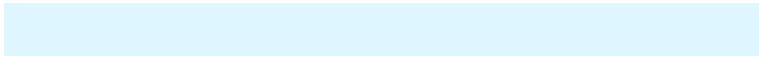
46.9590, 51.6799, 34.3524

Sweetspot

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



43.8811, 51.6819, 80.3368



80.9859, 88.4411, 107.4102



42.8822, 62.1853, 41.4640



16.8693, 18.5383, 22.9391



0.0000, 0.0000, 0.0000



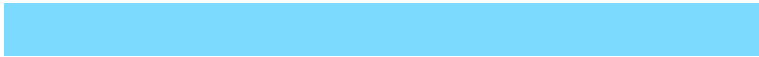
20.3446, 21.4041, 23.3091

Same Dimension

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



43.8811, 51.6819, 80.3368



51.6819, 61.9398, 103.8394



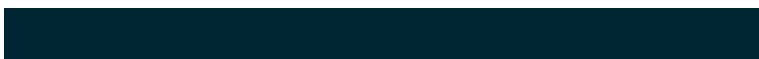
34.6835, 33.2866, 77.2709



14.4469, 15.6152, 18.3969



15.8444, 18.7510, 45.1674



1.2485, 1.5409, 3.3636

Inverse Universe

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



50.2216, 36.7352, 59.0893



61.2779, 40.9988, 71.3055



57.5122, 61.4424, 30.3026



14.8132, 14.5425, 17.2165



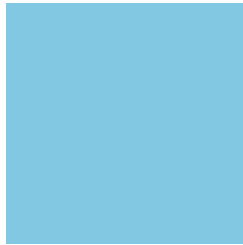
22.3910, 11.0906, 21.4860



1.6938, 0.8352, 1.7941

Previews

White Background



This preview shows how the XYZ color 43.8795, 51.6799, 80.3356 looks on a white background.

Color Contrast Check

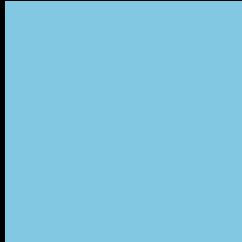
Large Text (above 18pt) WCAG AA × Fail

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 43.8795, 51.6799, 80.3356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

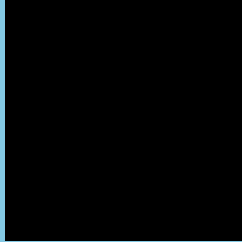
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 43.8795, 51.6799, 80.3356

Background



This preview shows how black text looks on a background with the XYZ color 43.8795, 51.6799, 80.3356.



This preview shows how white text looks on a background with the XYZ color 43.8795, 51.6799,

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

43.8795, 51.6799, 80.3356

Protanopia

50.5366, 51.2713, 74.2506

Deuteranopia

52.3709, 51.1025, 81.9664



Tritanopia

42.6775, 51.8922, 74.0965

Trichromacy



Original Color

43.8795, 51.6799, 80.3356

Protanomaly

47.5515, 50.9725, 76.4397

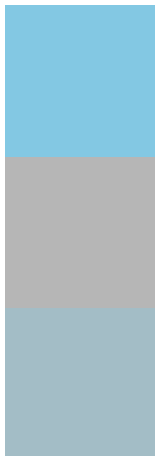
Deuteranomaly

48.4927, 50.6995, 81.3589

Tritanomaly

42.9910, 51.6609, 76.1123

Monochromacy



Original Color

43.8795, 51.6799, 80.3356

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.4949, 48.2589, 60.4486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.8795, 51.6799, 80.3356 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(131, 200, 227)` looks like.

```
.text, #text, p{  
    color:rgb(131, 200, 227)  
}
```

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(131, 200, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 200, 227) }
```

Border

The CSS property to change the border of an element to XYZ 43.8795, 51.6799, 80.3356 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(131, 200, 227) }
```


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

```
.border{ border-color:rgb(131, 200, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 200, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 200, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 200, 227);  
box-shadow:4px 4px 4px 4px rgb(131, 200,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 43.8795, 51.6799, 80.3356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 200, 227) }
```

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

```
.background{ background-color: rgb(131,  
200, 227) }
```

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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