

Converting Colors

XYZ(35.3846, 42.9273, 80.1587)

Have a look what the booklet for
XYZ(35.3846, 42.9273, 80.1587)
contains.

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Color

**XYZ(35.3412, 42.9811,
79.8323)**

Conversions

Conversions Part 1

Format	Color
Hex	53BBE4
RGB	83, 187, 228
RGB Percent	33%, 73%, 89%
CMY	0.6745, 0.2667, 0.1059
CMYK	0.64, 0.18, 0.00, 0.11
HSL	197°, 73%, 61%
HSV	197°, 64%, 89%
XYZ	35.3412, 42.9811, 79.8323
YIQ	160.5780, -75.1450, -9.2970

Conversions

Conversions Part 2

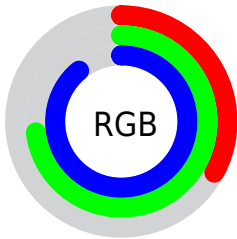
Format	Color
R_{YB}	83, 144, 228
Decimal	5487588
CIE _{Lab}	71.54, -17.79, -29.41
CIE _{LCh}	72, 34.374, 238.825
Yxy	42.9811, 0.2235, 0.2718
Android (android.graphics.Color)	4283677668 (0xFF53BBE4)
YUV	160.5780, 33.2390, -68.0359
Hunter-Lab	65.5600, -18.5065, -26.3054

Details

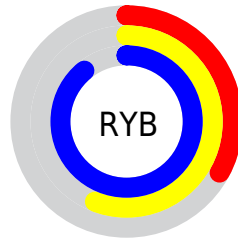
The XYZ color **35.3412, 42.9811, 79.8323** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **40.7654, 31.5357, 12.1237**, and the grayscale version is **33.5581, 35.3057, 38.4479**.

A 20% lighter version of the original color is **61.7776, 77.3409, 106.2800**, and **15.9715, 20.0288, 42.0539** is the 20% darker color. If you saturate the color by 10%, you get **32.3135, 39.4360, 79.3084**, and if you desaturate by 10%, it is **39.0944, 46.9930, 80.4097**.

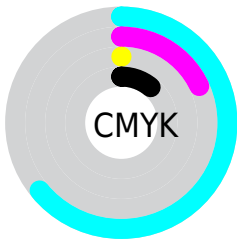
Distribution



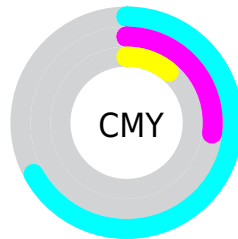
- Red (33%)
- Green (73%)
- Blue (89%)



- Red (33%)
- Yellow (56%)
- Blue (89%)



- Cyan (64%)
- Magenta (18%)
- Yellow (0%)
- Black (11%)



- Cyan (67%)
- Magenta (27%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3412, 42.9811, 79.8323 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 35.3412, 42.9811, 79.8323 by changing the saturation by 10% instead.

■ 35.3412, 42.9811,
79.8323

■ 35.3412, 42.9811,
79.8323

317.5535,
358.5340, 514.0593

■ 24.0936, 29.8703,
59.0550

■ 67.3446, 79.6823,
134.9392

■ 15.5282, 19.7402,
42.2371

■ 88.8310, 104.0416,
170.1059

■ 9.2796, 12.2063,
28.9600

■ 114.4611,
132.9190, 210.9061

■ 4.9826, 6.8843,
18.8053

■ 144.6001,
166.6991, 257.7584

■ 2.2717, 3.3899,
11.3543

179.6135,
205.7663, 311.0814

■ 0.7801, 1.3385,
6.1885

219.8667,

■ 0.0000, 0.1707,

250.5049, 371.2935

2.8894

265.7249,
301.2994, 438.8133

■ 0.0000, 0.0000,
1.0384

■ 0.0000, 0.0000,
0.0000

■ 35.3412, 42.9811,
79.8323

■ 35.3412, 42.9811,
79.8323

■ 32.3135, 39.4360,
79.3084

■ 39.0944, 46.9930,
80.4097

■ 29.9385, 36.3165,
78.8315

■ 43.6280, 51.4987,
81.0404

■ 28.1347, 33.5803,
78.3984

■ 48.9963, 56.5282,
81.7283

■ 27.1955, 31.9849,
78.1400

■ 55.2474, 62.1074,
82.4757

■ 62.4255, 68.2601,
83.2850

■ 70.5718, 75.0087,
84.1582

■ 79.7247, 82.3740,
85.0975

■ 85.9870, 88.3481,
85.9205

■ 87.9039, 92.1818,
86.5595

Harmonies

Analogous

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



31.8310, 42.9811, 63.9694



35.3412, 42.9811, 79.8323



40.6237, 42.9811, 86.5974

Triad

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



35.3412, 42.9811, 79.8323



53.0617, 42.9811, 47.4579



35.7025, 42.9811, 24.0042

Complementary

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



35.3412, 42.9811, 79.8323



40.7654, 31.5357, 12.1237

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.



41.0816, 42.9811, 21.5581



35.3412, 42.9811, 79.8323



51.4347, 42.9811, 33.0141

Square

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



35.3412, 42.9811, 79.8323



51.1682, 42.9811, 65.3785



46.9083, 42.9811, 24.4268



32.0253, 42.9811, 32.1222

Rectangle

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



35.3412, 42.9811, 79.8323



44.5617, 42.9811, 84.0550



46.9083, 42.9811, 24.4268



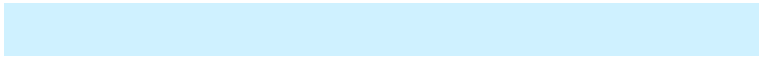
37.3546, 42.9811, 22.5903

Sweetspot

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



35.3426, 42.9827, 79.8333



75.2008, 83.5092, 106.7631



34.8043, 58.7238, 27.8067



15.5410, 17.3950, 22.7884



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.



35.3426, 42.9827, 79.8333



40.6876, 49.6201, 102.0409



23.9144, 20.1261, 76.0239



14.4450, 15.6114, 18.3963



15.8089, 18.6799, 45.1555



1.2461, 1.5361, 3.3628

Inverse Universe

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



44.0591, 26.2699, 49.7636



53.3683, 28.7984, 57.5126



52.8864, 55.7779, 16.1640



14.8122, 14.5421, 17.2114



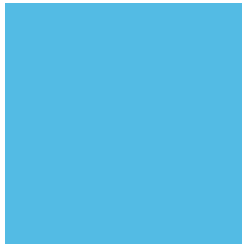
22.3731, 11.0835, 21.3916



1.6926, 0.8348, 1.7877

Previews

White Background



This preview shows how the XYZ color 35.3412, 42.9811, 79.8323 looks on a white background.

Color Contrast Check

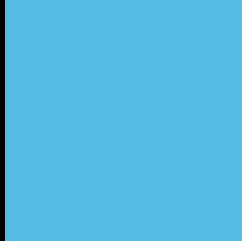
Large Text (above 18pt) WCAG AA × Fail

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 35.3412, 42.9811, 79.8323 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 35.3412, 42.9811, 79.8323

Background



This preview shows how black text looks on a background with the XYZ color 35.3412, 42.9811, 79.8323.

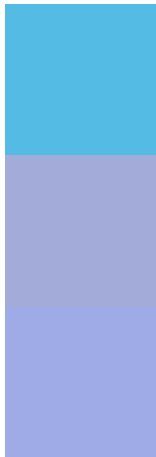


This preview shows how white text looks on a background with the XYZ color 35.3412, 42.9811,

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

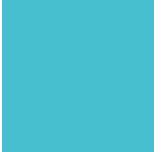
35.3412, 42.9811, 79.8323

Protanopia

42.3812, 42.3013, 71.5769

Deuteranopia

43.2848, 42.2663, 81.4782



Tritanopia

32.4439, 43.0956, 65.0008

Trichromacy



Original Color

35.3412, 42.9811, 79.8323

Protanomaly

38.6048, 41.7331, 74.4272

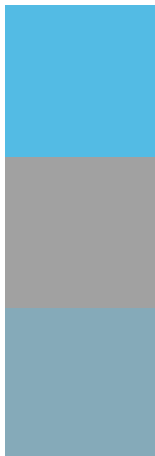
Deuteranomaly

39.3651, 41.9827, 80.8916

Tritanomaly

33.5315, 43.2185, 70.1930

Monochromacy



Original Color

35.3412, 42.9811, 79.8323

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.8045, 37.2388, 51.3578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3412, 42.9811, 79.8323 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(83, 187, 228)` looks like.

```
.text, #text, p{  
    color:rgb(83, 187, 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(83, 187, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 187, 228) }
```

Border

The CSS property to change the border of an element to XYZ 35.3412, 42.9811, 79.8323 is called "border". The border property can be set on classes, ids or directly on the HTML element.

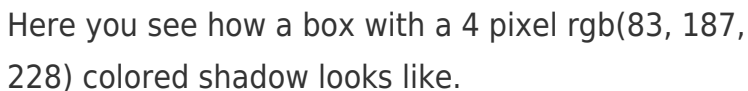
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(83, 187, 228) }
```


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

```
.border{ border-color:rgb(83, 187, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(83, 187, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 187, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 187, 228);  
box-shadow:4px 4px 4px 4px rgb(83, 187,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3412, 42.9811, 79.8323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 187, 228) }
```

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

```
.background{ background-color: rgb(83, 187,  
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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