

Converting Colors

XYZ(34.2331, 40.1608, 83.7894)

Have a look what the booklet for
XYZ(34.2331, 40.1608, 83.7894)
contains.

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Color

**XYZ(34.2331, 40.1608,
83.7894)**

Conversions

Conversions Part 1

Format	Color
Hex	4DB4EA
RGB	77, 180, 234
RGB Percent	30%, 71%, 92%
CMY	0.6980, 0.2941, 0.0823
CMYK	0.67, 0.23, 0.00, 0.08
HSL	201°, 79%, 61%
HSV	201°, 67%, 92%
XYZ	34.2331, 40.1608, 83.7894
YIQ	155.3590, -78.7220, -5.0420

Conversions

Conversions Part 2

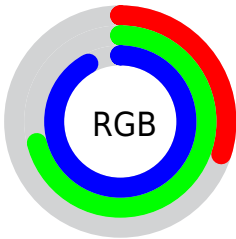
Format	Color
RYB	77, 139, 234
Decimal	5092586
CIELab	69.58, -13.15, -35.72
CIElCh	70, 38.062, 249.787
Yxy	40.1608, 0.2164, 0.2539
Android (android.graphics.Color)	4283282666 (0xFF4DB4EA)
YUV	155.3590, 38.7700, -68.7208
Hunter-Lab	63.3725, -14.4784, -34.0308

Details

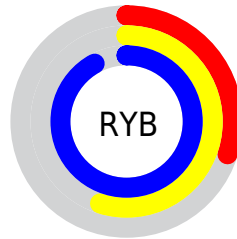
The XYZ color **34.2331, 40.1608, 83.7894** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **43.3893, 34.2633, 11.3495**, and the grayscale version is **31.1749, 32.7985, 35.7175**.

A 20% lighter version of the original color is **59.0300, 72.8736, 105.5626**, and **15.6253, 18.3931, 44.8462** is the 20% darker color. If you saturate the color by 10%, you get **31.0956, 36.2015, 83.1913**, and if you desaturate by 10%, it is **38.1465, 44.6616, 84.4527**.

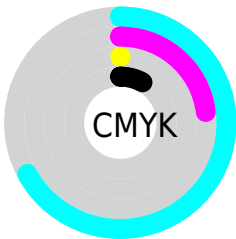
Distribution



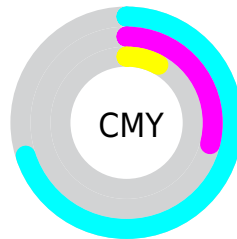
- Red (30%)
- Green (71%)
- Blue (92%)



- Red (30%)
- Yellow (55%)
- Blue (92%)



- Cyan (67%)
- Magenta (23%)
- Yellow (0%)
- Black (8%)



- Cyan (70%)
- Magenta (29%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2331, 40.1608, 83.7894 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 34.2331, 40.1608, 83.7894 by changing the saturation by 10% instead.

■ 34.2331, 40.1608,
83.7894

■ 34.2331, 40.1608,
83.7894

312.7378,
346.8009, 527.6534

■ 23.2365, 27.6639,
62.2972

■ 65.6379, 75.4083,
140.5396

■ 14.8899, 18.0725,
44.8355

■ 86.7767, 98.9278,
176.6348

■ 8.8279, 11.0020,
30.9859

■ 112.0270,
126.8902, 218.4346

■ 4.6853, 6.0682,
20.3297

■ 141.7542,
159.6800, 266.3577

■ 2.0967, 2.8866,
12.4485

176.3235,
197.6816, 320.8226

■ 0.6874, 1.0728,
6.9237

216.1003,

■ 0.0000, 0.0000,

241.2793, 382.2478

3.3367

261.4499,
290.8576, 451.0519

■ 0.0000, 0.0000,
1.2690

■ 0.0000, 0.0000,
0.0362

■ 34.2331, 40.1608,
83.7894

■ 34.2331, 40.1608,
83.7894

■ 31.0956, 36.2015,
83.1913

■ 38.1465, 44.6616,
84.4527

■ 28.6514, 32.7367,
82.6514


■ 42.8986, 49.7363,
85.1817


■ 26.8010, 29.7133,
82.1653

■ 48.5499, 55.4193,
85.9808


■ 26.3270, 28.8918,
82.0317


■ 55.1539, 61.7403,
86.8528

 62.7599, 68.7267,
87.8004

 71.4132, 76.4041,
88.8263

 81.1566, 84.7966,
89.9326

 88.5601, 92.1379,
90.9594

 91.0403, 97.0983,
91.7862

Harmonies

Analogous

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



29.7932, 40.1608, 69.1538



34.2331, 40.1608, 83.7894



40.2155, 40.1608, 86.2686

Triad

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



34.2331, 40.1608, 83.7894



51.0391, 40.1608, 38.2247



31.0988, 40.1608, 22.5394

Complementary

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



34.2331, 40.1608, 83.7894



43.3893, 34.2633, 11.3495

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.



36.1982, 40.1608, 18.1404



34.2331, 40.1608, 83.7894



47.9898, 40.1608, 25.4516

Square

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



34.2331, 40.1608, 83.7894



50.3676, 40.1608, 56.4927



42.4012, 40.1608, 19.0401



28.1228, 40.1608, 33.0478

Rectangle

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



34.2331, 40.1608, 83.7894



44.3473, 40.1608, 80.1608



42.4012, 40.1608, 19.0401



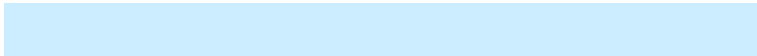
32.5977, 40.1608, 20.4445

Sweetspot

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



34.2345, 40.1622, 83.7904



73.3688, 80.8914, 106.3544



36.4695, 62.0184, 30.9362



15.1409, 16.7980, 22.6943



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.



34.2345, 40.1622, 83.7904



36.4215, 42.1218, 100.8184



22.7804, 17.2540, 79.9724



15.0562, 16.1989, 19.2554



14.9158, 16.4787, 46.1375



1.2602, 1.4719, 3.6526

Inverse Universe

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



44.8250, 26.0971, 45.8560



50.9625, 26.8697, 47.8232



57.7878, 63.0602, 16.1490



15.4819, 15.2206, 17.8231



22.3841, 11.1563, 18.3560



1.8026, 0.8940, 1.6779

Previews

White Background



This preview shows how the XYZ color 34.2331, 40.1608, 83.7894 looks on a white background.

Color Contrast Check

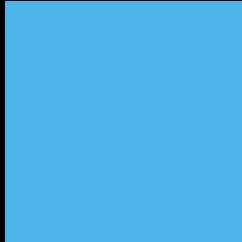
Large Text (above 18pt) WCAG AA × Fail

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 34.2331, 40.1608, 83.7894 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

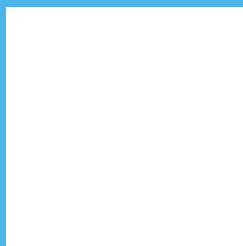
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.2331, 40.1608, 83.7894

Background



This preview shows how black text looks on a background with the XYZ color 34.2331, 40.1608, 83.7894.

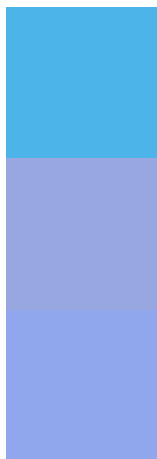


This preview shows how white text looks on a background with the XYZ color 34.2331, 40.1608,

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

34.2331, 40.1608, 83.7894

Protanopia

40.4101, 39.7916, 76.0717

Deuteranopia

40.7818, 39.7716, 85.6480



Tritanopia

29.7889, 40.2047, 61.4486

Trichromacy



Original Color

34.2331, 40.1608, 83.7894

Protanomaly

37.2136, 39.4665, 79.0552

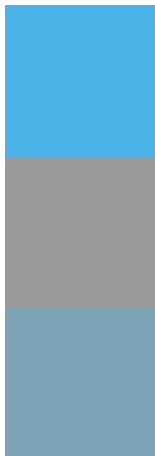
Deuteranomaly

37.6386, 39.5542, 85.0078

Tritanomaly

31.2651, 40.1751, 69.0575

Monochromacy



Original Color

34.2331, 40.1608, 83.7894

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.6796, 34.5236, 50.3941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2331, 40.1608, 83.7894 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(77, 180, 234)` looks like.

```
.text, #text, p{  
    color:rgb(77, 180, 234)  
}
```

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(77, 180, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 180, 234) }
```

Border

The CSS property to change the border of an element to XYZ 34.2331, 40.1608, 83.7894 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(77, 180, 234) }
```


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

```
.border{ border-color:rgb(77, 180, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 180, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 180, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 180, 234);  
box-shadow:4px 4px 4px 4px rgb(77, 180,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2331, 40.1608, 83.7894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 180, 234) }
```

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

```
.background{ background-color: rgb(77, 180,  
234) }
```

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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