

Converting Colors

XYZ(34.5310, 40.0481, 83.5891)

Have a look what the booklet for
XYZ(34.5310, 40.0481, 83.5891)
contains.

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Color

**XYZ(34.5387, 40.0197,
83.7461)**

Conversions

Conversions Part 1

Format	Color
Hex	53B3EA
RGB	83, 179, 234
RGB Percent	33%, 70%, 92%
CMY	0.6745, 0.2980, 0.0823
CMYK	0.65, 0.24, 0.00, 0.08
HSL	202°, 78%, 62%
HSV	202°, 65%, 92%
XYZ	34.5387, 40.0197, 83.7461
YIQ	156.5660, -74.8710, -3.2470

Conversions

Conversions Part 2

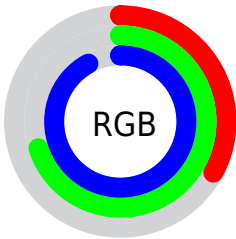
Format	Color
R_{YB}	83, 142, 234
Decimal	5485546
CIE _{Lab}	69.48, -11.66, -35.86
CIE _{LCh}	69, 37.708, 251.984
Yxy	40.0197, 0.2182, 0.2528
Android (android.graphics.Color)	4283675626 (0xFF53B3EA)
YUV	156.5660, 38.1750, -64.5174
Hunter-Lab	63.2611, -13.2513, -34.2063

Details

The XYZ color **34.5387, 40.0197, 83.7461** 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 **44.5833, 36.2965, 12.8416**, and the grayscale version is **31.7130, 33.3646, 36.3340**.

A 20% lighter version of the original color is **59.6124, 72.7477, 105.5075**, and **15.4967, 18.1361, 44.8033** is the 20% darker color. If you saturate the color by 10%, you get **31.1560, 35.8184, 83.1142**, and if you desaturate by 10%, it is **38.7261, 44.7940, 84.4477**.

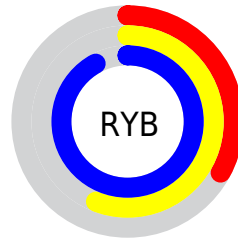
Distribution



Red (33%)

Green (70%)

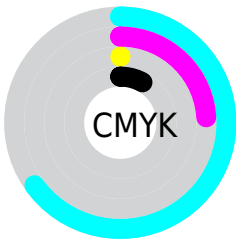
Blue (92%)



Red (33%)

Yellow (56%)

Blue (92%)

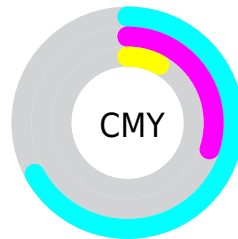


Cyan (65%)

Magenta (24%)

Yellow (0%)

Black (8%)



Cyan (67%)

Magenta (30%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5387, 40.0197, 83.7461 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 34.5387, 40.0197, 83.7461 by changing the saturation by 10% instead.

■ 34.5387, 40.0197,
83.7461

■ 34.5387, 40.0197,
83.7461

314.0713,
346.2066, 527.5057

■ 23.4726, 27.5539,
62.2617

■ 66.1093, 75.1935,
140.4785

■ 15.0655, 17.9897,
44.8070

■ 87.3444, 98.6703,
176.5636

■ 8.9520, 10.9426,
30.9636

■ 112.7000,
126.5862, 218.3526

■ 4.7667, 6.0282,
20.3129

■ 142.5413,
159.3257, 266.2640

■ 2.1444, 2.8623,
12.4364

177.2338,
197.2731, 320.7166

■ 0.7132, 1.0602,
6.9155

217.1427,

■ 0.0000, 0.0000,

240.8127, 382.1287

3.3316

262.6334,
290.3291, 450.9189

■ 0.0000, 0.0000,
1.2664

■ 0.0000, 0.0000,
0.0340

■ 34.5387, 40.0197,
83.7461

■ 34.5387, 40.0197,
83.7461

■ 31.1560, 35.8184,
83.1142

■ 38.7261, 44.7940,
84.4477

■ 28.4988, 32.1443,
82.5451

■ 43.7792, 50.1734,
85.2197

■ 26.4767, 28.9488,
82.0349

■ 49.7572, 56.1918,
86.0663

■ 25.5619, 27.3616,
81.7767

■ 56.7126, 62.8788,
86.9905

■ 64.6938, 70.2621,
87.9949

■ 73.7460, 78.3671,
89.0822

■ 83.9112, 87.2182,
90.2549

■ 89.4104, 93.8385,
91.2429

■ 91.8514, 98.7206,
92.0566

Harmonies

Analogous

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



30.0003, 40.0197, 69.9941



34.5387, 40.0197, 83.7461



40.5142, 40.0197, 85.1623

Triad

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



34.5387, 40.0197, 83.7461



50.6430, 40.0197, 36.9927



30.7484, 40.0197, 23.1418

Complementary

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



34.5387, 40.0197, 83.7461



44.5833, 36.2965, 12.8416

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.



35.6639, 40.0197, 18.3631



34.5387, 40.0197, 83.7461



47.3955, 40.0197, 24.8128

Square

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



34.5387, 40.0197, 83.7461



50.2590, 40.0197, 54.7591



41.7650, 40.0197, 18.8799



27.9777, 40.0197, 34.0273

Rectangle

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



34.5387, 40.0197, 83.7461



44.5645, 40.0197, 78.5446



41.7650, 40.0197, 18.8799



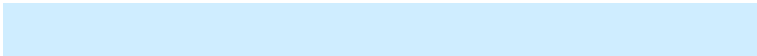
32.1811, 40.0197, 20.9172

Sweetspot

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



34.5401, 40.0211, 83.7471



74.0428, 81.1931, 106.3771



37.4249, 62.4591, 33.3224



15.2595, 16.8321, 22.6946



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.



34.5401, 40.0211, 83.7471



36.8655, 42.2043, 100.8110



23.5384, 18.0177, 80.0799



15.0296, 16.1457, 19.2465



14.4881, 15.6231, 45.9949



1.2286, 1.4087, 3.6420

Inverse Universe

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



45.1629, 26.9353, 45.4677



51.3833, 27.7910, 47.7179



58.8756, 64.8810, 17.6057



15.4685, 15.2153, 17.7524



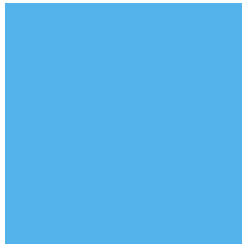
22.1682, 11.0700, 17.2189



1.7867, 0.8876, 1.5939

Previews

White Background



This preview shows how the XYZ color 34.5387, 40.0197, 83.7461 looks on a white background.

Color Contrast Check

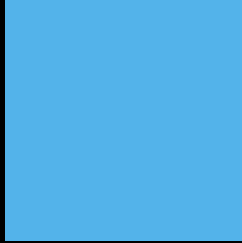
Large Text (above 18pt) WCAG AA × Fail

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 34.5387, 40.0197, 83.7461 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

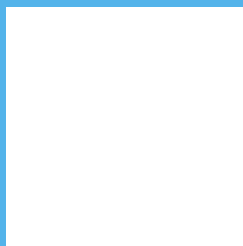
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.5387, 40.0197, 83.7461

Background



This preview shows how black text looks on a background with the XYZ color 34.5387, 40.0197, 83.7461.

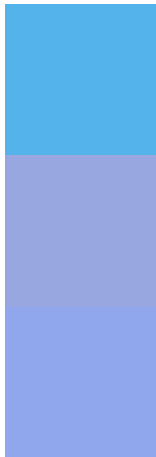


This preview shows how white text looks on a background with the XYZ color 34.5387, 40.0197,

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

34.5387, 40.0197, 83.7461

Protanopia

40.2222, 39.6947, 76.0629

Deuteranopia

40.7818, 39.7716, 85.6480



Tritanopia

29.9543, 39.9919, 60.7840

Trichromacy



Original Color

34.5387, 40.0197, 83.7461

Protanomaly

37.3189, 39.2393, 79.0058

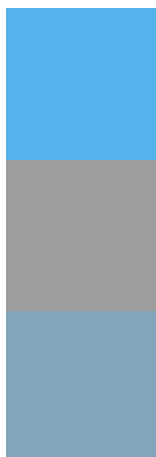
Deuteranomaly

37.7293, 39.3195, 84.9578

Tritanomaly

31.4896, 39.9982, 68.3481

Monochromacy



Original Color

34.5387, 40.0197, 83.7461

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.4180, 35.1589, 51.0294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5387, 40.0197, 83.7461 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, 179, 234)` looks like.

```
.text, #text, p{  
    color:rgb(83, 179, 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(83, 179, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 179, 234) }
```

Border

The CSS property to change the border of an element to XYZ 34.5387, 40.0197, 83.7461 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, 179, 234) }
```


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

```
.border{ border-color:rgb(83, 179, 234) }
```

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

Here you see how a box with a 4 pixel rgb(83, 179, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 179, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 179, 234);  
box-shadow:4px 4px 4px 4px rgb(83, 179,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5387, 40.0197, 83.7461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 179, 234) }
```

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

```
.background{ background-color: rgb(83, 179,  
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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