

Converting Colors

XYZ(34.2617, 38.6312, 81.6550)

Have a look what the booklet for
XYZ(34.2617, 38.6312, 81.6550)
contains.

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Color

**XYZ(34.4097, 38.8133,
82.0221)**

Conversions

Conversions Part 1

Format	Color
Hex	5DAFE8
RGB	93, 175, 232
RGB Percent	36%, 69%, 91%
CMY	0.6353, 0.3137, 0.0902
CMYK	0.60, 0.25, 0.00, 0.09
HSL	205°, 75%, 64%
HSV	205°, 60%, 91%
XYZ	34.4097, 38.8133, 82.0221
YIQ	156.9800, -67.1690, 0.3430

Conversions

Conversions Part 2

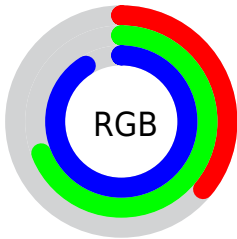
Format	Color
R _Y B	93, 145, 232
Decimal	6139880
CIE Lab	68.62, -8.37, -36.09
CIE LCh	69, 37.047, 256.947
Yxy	38.8133, 0.2216, 0.2500
Android (android.graphics.Color)	4284329960 (0xFF5DAFE8)
YUV	156.9800, 36.9849, -56.1105
Hunter-Lab	62.3003, -10.4365, -34.4486

Details

The XYZ color **34.4097, 38.8133, 82.0221** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **46.1625, 39.7611, 15.5993**, and the grayscale version is **31.9009, 33.5622, 36.5493**.

A 20% lighter version of the original color is **59.4837, 70.5859, 105.0971**, and **15.0196, 17.3521, 43.6320** is the 20% darker color. If you saturate the color by 10%, you get **30.6210, 34.2080, 81.3336**, and if you desaturate by 10%, it is **39.0437, 44.0494, 82.7893**.

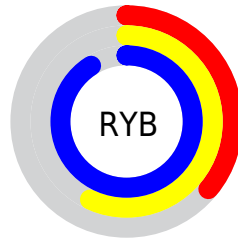
Distribution



Red (36%)

Green (69%)

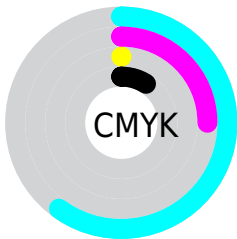
Blue (91%)



Red (36%)

Yellow (57%)

Blue (91%)

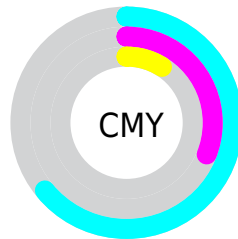


Cyan (60%)

Magenta (25%)

Yellow (0%)

Black (9%)



Cyan (64%)

Magenta (31%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4097, 38.8133, 82.0221 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 34.4097, 38.8133, 82.0221 by changing the saturation by 10% instead.

■ 34.4097, 38.8133,
82.0221

■ 34.4097, 38.8133,
82.0221

313.5089,
341.0961, 521.6070

■ 23.3729, 26.6145,
60.8478

■ 65.9103, 73.3530,
138.0420

■ 14.9913, 17.2839,
43.6726

■ 87.1049, 96.4627,
173.7246

■ 8.8996, 10.4371,
30.0779

■ 112.4161,
123.9782, 215.0805

■ 4.7323, 5.6897,
19.6452

■ 142.2093,
156.2839, 262.5281

■ 2.1242, 2.6574,
11.9559

176.8498,
193.7641, 316.4861

■ 0.7023, 0.9556,
6.5915

216.7030,

■ 0.0000, 0.0000,

236.8033, 377.3728

3.1334

262.1342,
285.7858, 445.6070

■ 0.0000, 0.0000,
1.1631

■ 0.0000, 0.0000,
0.0000

■ 34.4097, 38.8133,
82.0221

■ 34.4097, 38.8133,
82.0221

■ 30.6210, 34.2080,
81.3336

■ 39.0437, 44.0494,
82.7893

■ 27.6041, 30.1897,
80.7170

■ 44.5799, 49.9475,
83.6359

■ 25.2784, 26.7133,
80.1686

■ 51.0744, 56.5408,
84.5663

■ 23.5063, 23.7037,
79.6811

■ 58.5776, 63.8591,
85.5834

■ 23.4916, 23.6783,
79.6769

■ 67.1359, 71.9297,
86.6901

■ 76.7929, 80.7786,
87.8891

■ 87.4388, 90.3527,
89.1760

■ 90.3384, 96.1518,
90.1425

■ 91.5656, 98.6063,
90.5516

Harmonies

Analogous

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



29.7364, 38.8133, 70.4217



34.4097, 38.8133, 82.0221



40.2655, 38.8133, 81.1444

Triad

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



34.4097, 38.8133, 82.0221



48.7229, 38.8133, 33.5544



29.2711, 38.8133, 23.8724

Complementary

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



34.4097, 38.8133, 82.0221



46.1625, 39.7611, 15.5993

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.



33.7102, 38.8133, 18.3394



34.4097, 38.8133, 82.0221



45.1097, 38.8133, 22.8310

Square

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



34.4097, 38.8133, 82.0221



48.9612, 38.8133, 49.9575



39.4885, 38.8133, 18.0168



26.9877, 38.8133, 35.3987

Rectangle

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



34.4097, 38.8133, 82.0221



44.0688, 38.8133, 73.5660



39.4885, 38.8133, 18.0168



30.5381, 38.8133, 21.3997

Sweetspot

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



34.4111, 38.8147, 82.0231



74.4193, 80.8829, 106.2974



38.7652, 62.1987, 38.2311



15.3034, 16.7136, 22.6694



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.



34.4111, 38.8147, 82.0231



36.9405, 41.0999, 100.5938



24.3286, 18.6498, 78.6622



14.2860, 15.2933, 18.3433



13.1684, 13.3989, 44.2754



1.0640, 1.1719, 3.3021

Inverse Universe

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



44.9322, 28.0813, 43.6107



51.7274, 29.1010, 45.9154



60.3530, 68.1420, 20.3295



14.7319, 14.5100, 16.7887



21.0403, 10.5503, 14.3732



1.6007, 0.7980, 1.3037

Previews

White Background



This preview shows how the XYZ color 34.4097, 38.8133, 82.0221 looks on a white background.

Color Contrast Check

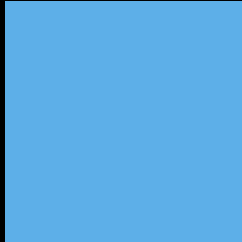
Large Text (above 18pt) WCAG AA × Fail

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 34.4097, 38.8133, 82.0221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

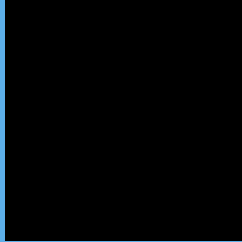
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

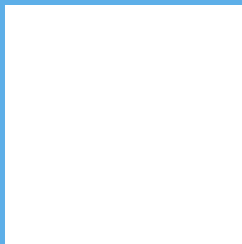
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.4097, 38.8133, 82.0221

Background



This preview shows how black text looks on a background with the XYZ color 34.4097, 38.8133, 82.0221.



This preview shows how white text looks on a background with the XYZ color 34.4097, 38.8133,

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

34.4097, 38.8133, 82.0221

Protanopia

39.3077, 38.4168, 75.8644

Deuteranopia

39.4617, 38.6016, 83.2129



Tritanopia

29.7523, 39.0192, 58.1879

Trichromacy



Original Color

34.4097, 38.8133, 82.0221

Protanomaly

36.9210, 38.2184, 78.1040

Deuteranomaly

37.2081, 38.5442, 82.5695

Tritanomaly

31.1960, 38.6826, 66.1439

Monochromacy



Original Color

34.4097, 38.8133, 82.0221

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.7587, 35.0799, 50.4446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4097, 38.8133, 82.0221 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(93, 175, 232)` looks like.

```
.text, #text, p{  
    color:rgb(93, 175, 232)  
}
```

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(93, 175, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 175, 232) }
```

Border

The CSS property to change the border of an element to XYZ 34.4097, 38.8133, 82.0221 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(93, 175, 232) }
```


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

```
.border{ border-color:rgb(93, 175, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 175, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 175, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 175, 232);  
box-shadow:4px 4px 4px 4px rgb(93, 175,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4097, 38.8133, 82.0221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 175, 232) }
```

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

```
.background{ background-color: rgb(93, 175,  
232) }
```

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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