

Converting Colors

XYZ(38.3431, 39.0346, 83.4370)

Have a look what the booklet for
XYZ(38.3431, 39.0346, 83.4370)
contains.

XYZ(38.3993, 39.1417, 83.3732)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.3993, 39.1417,
83.3732)**

Conversions

Conversions Part 1

Format	Color
Hex	83A9EA
RGB	131, 169, 234
RGB Percent	51%, 66%, 92%
CMY	0.4863, 0.3372, 0.0823
CMYK	0.44, 0.28, 0.00, 0.08
HSL	218°, 71%, 72%
HSV	218°, 44%, 92%
XYZ	38.3993, 39.1417, 83.3732
YIQ	165.0480, -43.5130, 12.1590

Conversions

Conversions Part 2

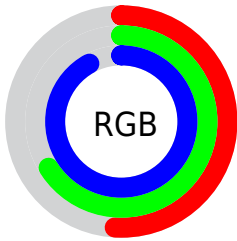
Format	Color
R_{YB}	131, 159, 234
Decimal	8628714
CIE _{Lab}	68.85, 3.88, -36.67
CIE _{LCh}	69, 36.877, 276.038
Yxy	39.1417, 0.2386, 0.2432
Android (android.graphics.Color)	4286818794 (0xFF83A9EA)
YUV	165.0480, 33.9933, -29.8601
Hunter-Lab	62.5633, 0.0716, -35.2168

Details

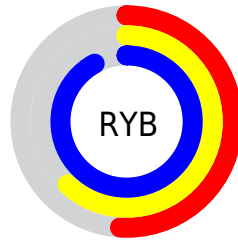
The XYZ color **38.3993, 39.1417, 83.3732** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **57.7696, 58.6126, 29.7429**, and the grayscale version is **35.6454, 37.5018, 40.8394**.

A 20% lighter version of the original color is **65.4447, 71.2227, 104.9058**, and **17.2988, 17.4328, 44.5726** is the 20% darker color. If you saturate the color by 10%, you get **32.5823, 32.2930, 82.3586**, and if you desaturate by 10%, it is **45.3477, 47.0358, 84.5314**.

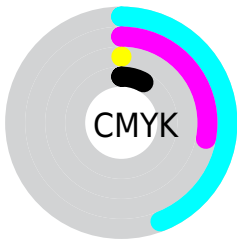
Distribution



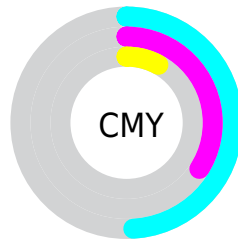
- Red (51%)
- Green (66%)
- Blue (92%)



- Red (51%)
- Yellow (62%)
- Blue (92%)



- Cyan (44%)
- Magenta (28%)
- Yellow (0%)
- Black (8%)



- Cyan (49%)
- Magenta (34%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3993, 39.1417, 83.3732 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 38.3993, 39.1417, 83.3732 by changing the saturation by 10% instead.

■ 38.3993, 39.1417,
83.3732

■ 38.3993, 39.1417,
83.3732

330.5811,
342.4926, 526.2330

■ 26.4714, 26.8700,
61.9557

■ 72.0197, 73.8547,
139.9519

■ 17.3111, 17.4756,
44.5613

■ 94.4429, 97.0648,
175.9502

■ 10.5532, 10.5742,
30.7716

■ 121.0952,
124.6899, 217.6459

■ 5.8324, 5.7813,
20.1680

152.3420,
157.1142, 265.4574

■ 2.7831, 2.7125,
12.3319

188.5486,
194.7222, 319.8033

■ 1.0401, 0.9836,
6.8449

230.0804,

■ 0.0000, 0.0000,

237.8984, 381.1022

3.2883

277.3028,
287.0270, 449.7726

■ 0.0000, 0.0000,
1.2437

■ 0.0000, 0.0000,
0.0149

■ 38.3993, 39.1417,
83.3732

■ 38.3993, 39.1417,
83.3732

■ 32.5823, 32.2930,
82.3586

■ 45.3477, 47.0358,
84.5314

■ 27.8265, 26.4360,
81.4787

■ 53.4838, 56.0166,
85.8361

■ 24.0597, 21.5181,
80.7280

■ 62.8648, 66.1282,
87.2934

■ 21.1978, 17.4790,
80.0992

■ 73.5428, 77.4108,
88.9083

■ 19.1398, 14.2485,
79.5841

■ 85.5669, 89.9026,
90.6858

■ 18.2056, 12.6488,
79.3246

■ 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.



32.8173, 39.1417, 79.3739



38.3993, 39.1417, 83.3732



44.2240, 39.1417, 74.3521

Triad

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



38.3993, 39.1417, 83.3732



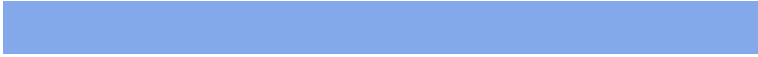
47.0647, 39.1417, 26.3309



27.8381, 39.1417, 30.8240

Complementary

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



38.3993, 39.1417, 83.3732



57.7696, 58.6126, 29.7429

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.



30.9675, 39.1417, 21.5090



38.3993, 39.1417, 83.3732



41.9630, 39.1417, 19.4309

Square

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



38.3993, 39.1417, 83.3732



49.5533, 39.1417, 39.3177



36.0318, 39.1417, 17.9317



27.0968, 39.1417, 46.0993

Rectangle

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



38.3993, 39.1417, 83.3732



47.3388, 39.1417, 63.2770



36.0318, 39.1417, 17.9317



28.6283, 39.1417, 27.0308

Sweetspot

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



38.4007, 39.1431, 83.3741



77.5739, 81.6171, 106.2728



48.5799, 67.5903, 61.8309



16.0271, 16.8537, 22.6583



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.



38.4007, 39.1431, 83.3741



40.0954, 39.8434, 100.1850



34.2996, 28.0159, 81.4425



14.6863, 15.4591, 19.1321



10.3406, 7.3281, 44.6124



0.9012, 0.7539, 3.5329

Inverse Universe

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



49.2106, 36.5911, 42.0065



55.1668, 37.5482, 42.2267



63.6397, 76.0122, 32.7920



15.2952, 15.1459, 16.8399



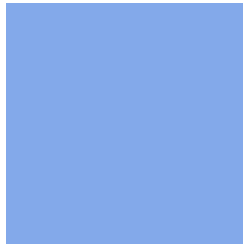
20.0747, 10.2326, 6.1949



1.6214, 0.8215, 0.7236

Previews

White Background



This preview shows how the XYZ color 38.3993, 39.1417, 83.3732 looks on a white background.

Color Contrast Check

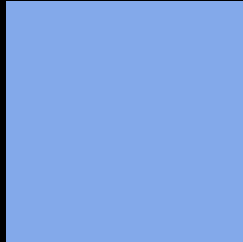
Large Text (above 18pt) WCAG AA × Fail

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 38.3993, 39.1417, 83.3732 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 38.3993, 39.1417, 83.3732

Background



This preview shows how black text looks on a background with the XYZ color 38.3993, 39.1417, 83.3732.



This preview shows how white text looks on a background with the XYZ color 38.3993, 39.1417,

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

38.3993, 39.1417, 83.3732

Protanopia

40.0917, 38.9757, 81.0113

Deuteranopia

40.1332, 39.1999, 84.0483



Tritanopia

32.7339, 39.1278, 55.1174

Trichromacy



Original Color

38.3993, 39.1417, 83.3732

Protanomaly

39.3570, 38.8494, 81.7683

Deuteranomaly

39.4616, 39.1246, 84.0692

Tritanomaly

34.5669, 38.9881, 64.7351

Monochromacy



Original Color

38.3993, 39.1417, 83.3732

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.0674, 37.7624, 54.1031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3993, 39.1417, 83.3732 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, 169, 234)` looks like.

```
.text, #text, p{  
    color:rgb(131, 169, 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(131, 169, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 169, 234) }
```

Border

The CSS property to change the border of an element to XYZ 38.3993, 39.1417, 83.3732 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, 169, 234) }
```


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

```
.border{ border-color:rgb(131, 169, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 169, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 169, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 169, 234); box-shadow:4px 4px 4px 4px rgb(131, 169, 234) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3993, 39.1417, 83.3732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 169, 234) }
```

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

```
.background{ background-color: rgb(131,  
169, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor