

Converting Colors

XYZ(39.0177, 39.3020, 87.4550)

Have a look what the booklet for
XYZ(39.0177, 39.3020, 87.4550)
contains.

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Color

**XYZ(38.9739, 39.3538,
87.2032)**

Conversions

Conversions Part 1

Format	Color
Hex	82A9EF
RGB	130, 169, 239
RGB Percent	51%, 66%, 94%
CMY	0.4902, 0.3372, 0.0627
CMYK	0.46, 0.29, 0.00, 0.06
HSL	219°, 77%, 72%
HSV	219°, 46%, 94%
XYZ	38.9739, 39.3538, 87.2032
YIQ	165.3190, -45.7140, 13.5020

Conversions

Conversions Part 2

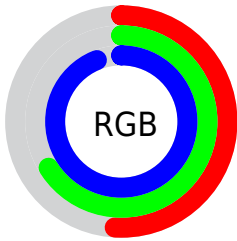
Format	Color
RYB	130, 159, 239
Decimal	8563183
CIELab	69.01, 5.05, -39.17
CIElCh	69, 39.494, 277.352
Yxy	39.3538, 0.2354, 0.2377
Android (android.graphics.Color)	4286753263 (0xFF82A9EF)
YUV	165.3190, 36.3247, -30.9748
Hunter-Lab	62.7326, 1.1147, -38.5049

Details

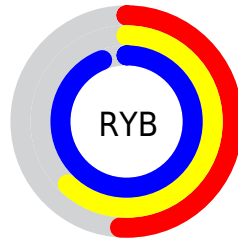
The XYZ color **38.9739, 39.3538, 87.2032** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **60.2815, 61.2727, 29.7705**, and the grayscale version is **35.7653, 37.6278, 40.9767**.

A 20% lighter version of the original color is **65.1992, 71.0961, 104.8943**, and **17.6562, 17.5579, 47.2582** is the 20% darker color. If you saturate the color by 10%, you get **33.0350, 32.2998, 86.1554**, and if you desaturate by 10%, it is **46.1021, 47.5200, 88.4045**.

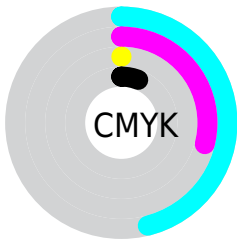
Distribution



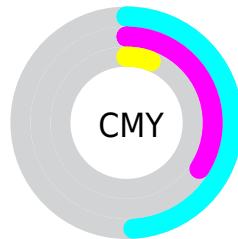
- Red (51%)
- Green (66%)
- Blue (94%)



- Red (51%)
- Yellow (62%)
- Blue (94%)



- Cyan (46%)
- Magenta (29%)
- Yellow (0%)
- Black (6%)



- Cyan (49%)
- Magenta (34%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9739, 39.3538, 87.2032 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 38.9739, 39.3538, 87.2032 by changing the saturation by 10% instead.

■ 38.9739, 39.3538,
87.2032

■ 38.9739, 39.3538,
87.2032

332.9886,
343.3924, 539.2239

■ 26.9201, 27.0351,
65.1028

■ 72.8928, 74.1785,
145.3487

■ 17.6495, 17.5996,
47.0926

■ 95.4885, 97.4532,
182.2309

■ 10.7968, 10.6629,
32.7540

■ 122.3289,
125.1488, 224.8774

■ 5.9966, 5.8406,
21.6685

153.7794,
157.6495, 273.7068

■ 2.8837, 2.7484,
13.4175

190.2052,
195.3399, 329.1376

■ 1.0925, 1.0018,
7.5826

231.9718,

■ 0.0189, 0.0000,

238.6042, 391.5883

3.7451

279.4445,
287.8269, 461.4776

■ 0.0000, 0.0000,
1.4866

■ 0.0000, 0.0000,
0.2079

■ 38.9739, 39.3538,
87.2032

■ 38.9739, 39.3538,
87.2032

■ 33.0350, 32.2998,
86.1554

■ 46.1021, 47.5200,
88.4045

■ 28.2100, 26.2997,
85.2516

■ 54.4805, 56.8439,
89.7626

■ 24.4203, 21.2958,
84.4855

■ 64.1706, 67.3735,
91.2843

■ 21.5745, 17.2216,
83.8490

■ 75.2283, 79.1526,
92.9751

■ 19.5613, 13.9990,
83.3331

■ 87.7063, 92.2225,
94.8402

■ 18.8691, 12.8100,
83.1401

■ 92.5801, 99.0120,
95.8938

Harmonies

Analogous

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



32.9379, 39.3538, 83.4271



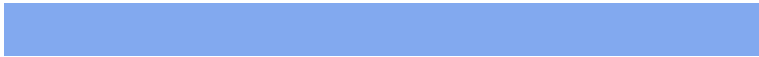
38.9739, 39.3538, 87.2032



45.2332, 39.3538, 76.7043

Triad

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



38.9739, 39.3538, 87.2032



47.8665, 39.3538, 25.0820



27.3157, 39.3538, 30.8475

Complementary

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



38.9739, 39.3538, 87.2032



60.2815, 61.2727, 29.7705

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.



30.5358, 39.3538, 20.7912



38.9739, 39.3538, 87.2032



42.2579, 39.3538, 18.1723

Square

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



38.9739, 39.3538, 87.2032



50.7282, 39.3538, 38.5678



35.8780, 39.3538, 16.8584



26.6456, 39.3538, 47.4371

Rectangle

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



38.9739, 39.3538, 87.2032



48.5409, 39.3538, 64.3845



35.8780, 39.3538, 16.8584



28.1168, 39.3538, 26.7476

Sweetspot

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



38.9753, 39.3552, 87.2042



76.2310, 80.0811, 106.0471



50.3864, 70.6049, 65.0271



15.7566, 16.5390, 22.6118



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.



38.9753, 39.3552, 87.2042



38.5300, 37.7330, 99.8602



35.1592, 28.1765, 85.2476



15.3601, 16.1543, 20.0301



10.5400, 7.3043, 45.9822



0.9677, 0.7894, 3.8556

Inverse Universe

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



50.7419, 37.1821, 42.0400



54.1274, 36.1786, 39.6944



65.7821, 79.2676, 32.9539



16.0064, 15.8523, 17.5901



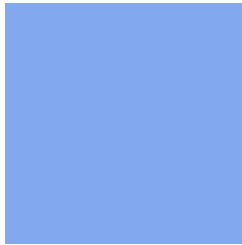
20.6457, 10.5307, 6.0510



1.7634, 0.8944, 0.7449

Previews

White Background



This preview shows how the XYZ color 38.9739, 39.3538, 87.2032 looks on a white background.

Color Contrast Check

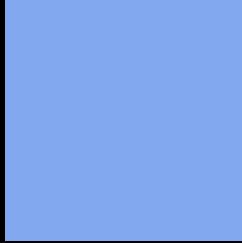
Large Text (above 18pt) WCAG AA × Fail

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 38.9739, 39.3538, 87.2032 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

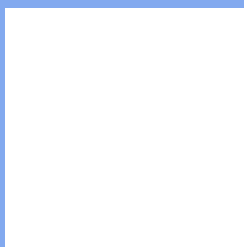
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.9739, 39.3538, 87.2032

Background



This preview shows how black text looks on a background with the XYZ color 38.9739, 39.3538, 87.2032.



This preview shows how white text looks on a background with the XYZ color 38.9739, 39.3538,

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

38.9739, 39.3538, 87.2032

Protanopia

40.4495, 39.0774, 84.7677

Deuteranopia

40.3489, 39.2264, 87.8829



Tritanopia

32.7709, 39.4285, 55.7524

Trichromacy



Original Color

38.9739, 39.3538, 87.2032

Protanomaly

39.7375, 38.9623, 85.5469

Deuteranomaly

39.8634, 39.2471, 87.9125

Tritanomaly

34.8646, 39.4010, 66.0892

Monochromacy



Original Color

38.9739, 39.3538, 87.2032

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.0995, 37.7536, 55.2537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9739, 39.3538, 87.2032 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(130, 169, 239)` looks like.

```
.text, #text, p{  
    color:rgb(130, 169, 239)  
}
```

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(130, 169, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 169, 239) }
```

Border

The CSS property to change the border of an element to XYZ 38.9739, 39.3538, 87.2032 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(130, 169, 239) }
```


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

```
.border{ border-color:rgb(130, 169, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 169, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 169, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 169, 239);  
box-shadow:4px 4px 4px 4px rgb(130, 169,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9739, 39.3538, 87.2032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 169, 239) }
```

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

```
.background{ background-color: rgb(130,  
169, 239) }
```

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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