

Converting Colors

XYZ(37.7978, 39.5144, 87.9145)

Have a look what the booklet for
XYZ(37.7978, 39.5144, 87.9145)
contains.

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Color

**XYZ(37.8168, 39.5782,
88.0843)**

Conversions

Conversions Part 1

Format	Color
Hex	75ACF0
RGB	117, 172, 240
RGB Percent	46%, 67%, 94%
CMY	0.5412, 0.3255, 0.0588
CMYK	0.51, 0.28, 0.00, 0.06
HSL	213°, 80%, 70%
HSV	213°, 51%, 94%
XYZ	37.8168, 39.5782, 88.0843
YIQ	163.3070, -54.6080, 9.4880

Conversions

Conversions Part 2

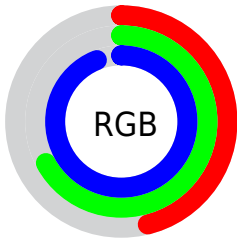
Format	Color
R _Y B	117, 155, 240
Decimal	7711984
CIE Lab	69.17, 0.65, -39.51
CIE LCh	69, 39.520, 270.936
Yxy	39.5782, 0.2285, 0.2392
Android (android.graphics.Color)	4285902064 (0xFF75ACF0)
YUV	163.3070, 37.8096, -40.6112
Hunter-Lab	62.9112, -2.7958, -38.9763

Details

The XYZ color **37.8168, 39.5782, 88.0843** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **56.4966, 54.5096, 24.3751**, and the grayscale version is **34.8044, 36.6170, 39.8759**.

A 20% lighter version of the original color is **63.1983, 71.2721, 105.0337**, and **16.9991, 17.7344, 47.8745** is the 20% darker color. If you saturate the color by 10%, you get **32.5955, 33.3236, 87.1530**, and if you desaturate by 10%, it is **44.1195, 46.7660, 89.1403**.

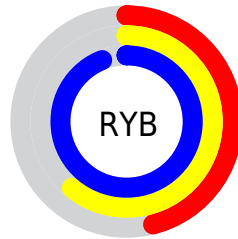
Distribution



Red (46%)

Green (67%)

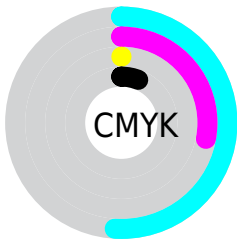
Blue (94%)



Red (46%)

Yellow (61%)

Blue (94%)

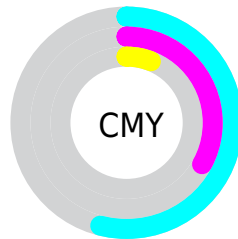


Cyan (51%)

Magenta (28%)

Yellow (0%)

Black (6%)



Cyan (54%)

Magenta (33%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8168, 39.5782, 88.0843 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 37.8168, 39.5782, 88.0843 by changing the saturation by 10% instead.

■ 37.8168, 39.5782,
88.0843

■ 37.8168, 39.5782,
88.0843

328.1279,
344.3425, 542.1877

■ 26.0171, 27.2098,
65.8282

■ 71.1330, 74.5208,
146.5867

■ 16.9692, 17.7309,
47.6773

■ 93.3801, 97.8638,
183.6700

■ 10.3077, 10.7569,
33.2132

■ 119.8405,
125.6338, 226.5328

■ 5.6673, 5.9036,
22.0174

150.8795,
158.2152, 275.5936

■ 2.6826, 2.7866,
13.6712

186.8623,
195.9923, 331.2709

■ 0.9882, 1.0213,
7.7562

228.1544,

■ 0.0000, 0.0000,

239.3497, 393.9834

3.8538

275.1212,
288.6716, 464.1495

■ 0.0000, 0.0000,
1.5455

■ 0.0000, 0.0000,
0.2515

■ 37.8168, 39.5782,
88.0843

■ 37.8168, 39.5782,
88.0843

■ 32.5955, 33.3236,
87.1530

■ 44.1195, 46.7660,
89.1403

■ 28.3796, 27.9501,
86.3380

■ 51.5642, 54.9266,
90.3230

■ 25.0887, 23.4053,
85.6342

■ 60.2116, 64.1020,
91.6383

■ 22.6260, 19.6274,
85.0348

■ 70.1166, 74.3303,
93.0905

■ 21.0190, 16.8726,
84.5878

■ 81.3306, 85.6472,
94.6839

■ 91.6576, 96.9298,
96.3173

■ 92.7283, 99.0713,
96.6742

Harmonies

Analogous

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



32.0194, 39.5782, 81.2218



37.8168, 39.5782, 88.0843



44.2155, 39.5782, 80.3572

Triad

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



37.8168, 39.5782, 88.0843



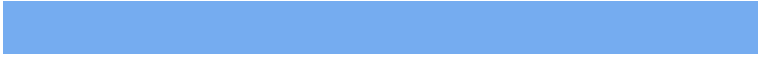
49.0304, 39.5782, 27.5676



27.9666, 39.5782, 28.3053

Complementary

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



37.8168, 39.5782, 88.0843



56.4966, 54.5096, 24.3751

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.



31.7115, 39.5782, 19.6092



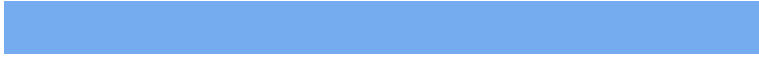
37.8168, 39.5782, 88.0843



43.8336, 39.5782, 19.2747

Square

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



37.8168, 39.5782, 88.0843



51.1197, 39.5782, 42.5278



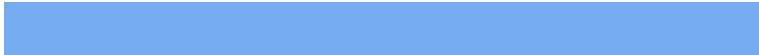
37.4197, 39.5782, 16.8267



26.7312, 39.5782, 43.6651

Rectangle

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



37.8168, 39.5782, 88.0843



47.8614, 39.5782, 68.9493



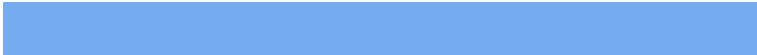
37.4197, 39.5782, 16.8267



28.9514, 39.5782, 24.6761

Sweetspot

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



37.8182, 39.5796, 88.0853



75.9721, 80.6956, 106.1794



47.2176, 69.5912, 56.6510



15.7457, 16.7401, 22.6512



0.0000, 0.0000, 0.0000



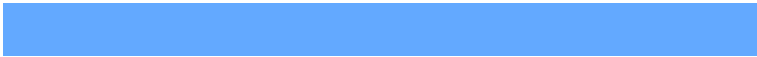
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.8182, 39.5796, 88.0853



37.4335, 38.2753, 100.0227



30.2809, 23.2377, 85.3282



15.4792, 16.3924, 20.0698



11.6344, 9.4930, 46.3470



1.0657, 0.9854, 3.8882

Inverse Universe

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



49.7441, 34.2280, 43.0158



52.9064, 33.1339, 41.1449



68.2545, 81.0725, 28.8825



16.0665, 15.8763, 17.9066



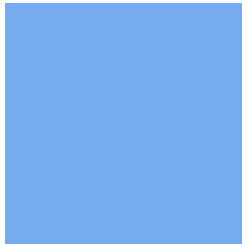
21.1981, 10.7517, 8.9598



1.8129, 0.9142, 1.0054

Previews

White Background



This preview shows how the XYZ color 37.8168, 39.5782, 88.0843 looks on a white background.

Color Contrast Check

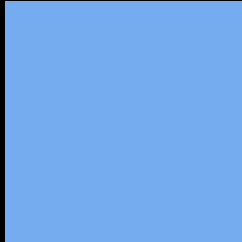
Large Text (above 18pt) WCAG AA × Fail

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 37.8168, 39.5782, 88.0843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

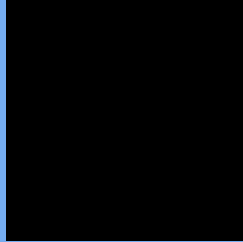
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8168, 39.5782, 88.0843

Background



This preview shows how black text looks on a background with the XYZ color 37.8168, 39.5782, 88.0843.



This preview shows how white text looks on a background with the XYZ color 37.8168, 39.5782,

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

37.8168, 39.5782, 88.0843

Protanopia

40.6642, 39.4736, 84.0732

Deuteranopia

40.5111, 39.5638, 88.7205



Tritanopia

31.8537, 39.8127, 57.6355

Trichromacy



Original Color

37.8168, 39.5782, 88.0843

Protanomaly

39.4420, 39.3539, 85.6380

Deuteranomaly

39.5809, 39.6323, 88.7828

Tritanomaly

33.7417, 39.6697, 67.5067

Monochromacy



Original Color

37.8168, 39.5782, 88.0843

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.8942, 37.1450, 54.6208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8168, 39.5782, 88.0843 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(117, 172, 240)` looks like.

```
.text, #text, p{  
    color:rgb(117, 172, 240)  
}
```

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(117, 172, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 172, 240) }
```

Border

The CSS property to change the border of an element to XYZ 37.8168, 39.5782, 88.0843 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(117, 172, 240) }
```


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

```
.border{ border-color:rgb(117, 172, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 172, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 172, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 172, 240);  
box-shadow:4px 4px 4px 4px rgb(117, 172,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8168, 39.5782, 88.0843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 172, 240) }
```

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

```
.background{ background-color: rgb(117,  
172, 240) }
```

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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