

Converting Colors

XYZ(38.4455, 39.5265, 76.5361)

Have a look what the booklet for
XYZ(38.4455, 39.5265, 76.5361)
contains.

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Color

**XYZ(38.6128, 39.6747,
76.8570)**

Conversions

Conversions Part 1

Format	Color
Hex	8BAAE1
RGB	139, 170, 225
RGB Percent	55%, 67%, 88%
CMY	0.4549, 0.3333, 0.1176
CMYK	0.38, 0.24, 0.00, 0.12
HSL	218°, 59%, 71%
HSV	218°, 38%, 88%
XYZ	38.6128, 39.6747, 76.8570
YIQ	167.0010, -36.1310, 10.5330

Conversions

Conversions Part 2

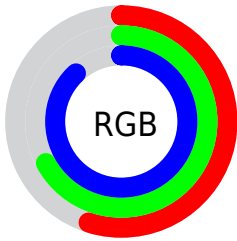
Format	Color
R _Y B	139, 162, 225
Decimal	9153249
CIE Lab	69.24, 2.91, -31.11
CIE LCh	69, 31.251, 275.343
Yxy	39.6747, 0.2489, 0.2557
Android (android.graphics.Color)	4287343329 (0xFF8BAAE1)
YUV	167.0010, 28.5935, -24.5569
Hunter-Lab	62.9879, -0.8047, -28.2534

Details

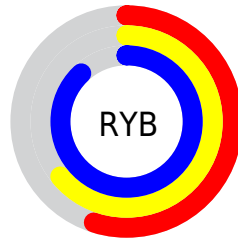
The XYZ color **38.6128, 39.6747, 76.8570** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **55.0042, 56.4561, 32.4256**, and the grayscale version is **36.6100, 38.5166, 41.9445**.

A 20% lighter version of the original color is **67.4809, 72.6725, 105.0783**, and **17.3862, 17.7527, 40.0464** is the 20% darker color. If you saturate the color by 10%, you get **32.6841, 32.8314, 75.8493**, and if you desaturate by 10%, it is **45.6126, 47.5101, 78.0012**.

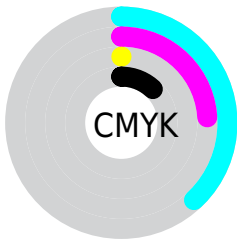
Distribution



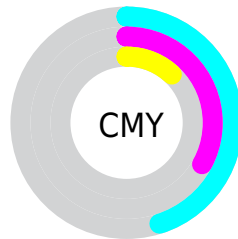
- Red (55%)
- Green (67%)
- Blue (88%)



- Red (55%)
- Yellow (64%)
- Blue (88%)



- Cyan (38%)
- Magenta (24%)
- Yellow (0%)
- Black (12%)



- Cyan (45%)
- Magenta (33%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6128, 39.6747, 76.8570 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 38.6128, 39.6747, 76.8570 by changing the saturation by 10% instead.

■ 38.6128, 39.6747,
76.8570

■ 38.6128, 39.6747,
76.8570

331.4770,
344.7506, 503.7010

■ 26.6380, 27.2850,
56.6247

■ 72.3443, 74.6679,
130.7088

■ 17.4367, 17.7874,
40.2966

■ 94.8317, 98.0402,
165.1653

■ 10.6436, 10.7974,
27.4543

■ 121.5541,
125.8422, 205.2002

■ 5.8932, 5.9308,
17.6793

152.8767,
158.4582, 251.2322

■ 2.8203, 2.8030,
10.5529

189.1649,
196.2726, 303.6798

■ 1.0595, 1.0298,
5.6567

230.7842,

■ 0.0000, 0.0000,

239.6699, 362.9614

2.5721

278.0998,
289.0344, 429.4956

■ 0.0000, 0.0000,
0.8780

■ 0.0000, 0.0000,
0.0000

■ 38.6128, 39.6747,
76.8570

■ 38.6128, 39.6747,
76.8570

■ 32.6841, 32.8314,
75.8493

■ 45.6126, 47.5101,
78.0012

■ 27.7652, 26.9321,
74.9699

■ 53.7322, 56.3738,
79.2841

■ 23.7944, 21.9311,
74.2139

■ 63.0219, 66.3052,
80.7114

■ 20.7009, 17.7762,
73.5749

■ 73.5279, 77.3406,
82.2877

■ 18.4026, 14.4084,
73.0460

■ 85.2937, 89.5141,
84.0173

■ 16.7853, 11.7511,
72.6183

■ 90.5907, 98.2163,
85.4178

■ 16.5411, 11.3369,
72.5513

Harmonies

Analogous

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



33.8360, 39.6747, 73.3968



38.6128, 39.6747, 76.8570



43.5544, 39.6747, 69.8030

Triad

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



38.6128, 39.6747, 76.8570



46.1160, 39.6747, 29.1378



29.6230, 39.6747, 32.6919

Complementary

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



38.6128, 39.6747, 76.8570



55.0042, 56.4561, 32.4256

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.



32.4126, 39.6747, 24.3933



38.6128, 39.6747, 76.8570



41.8681, 39.6747, 22.6818

Square

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



38.6128, 39.6747, 76.8570



48.1247, 39.6747, 40.6832



36.8206, 39.6747, 21.1598



28.9173, 39.6747, 45.8164

Rectangle

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



38.6128, 39.6747, 76.8570



46.1916, 39.6747, 60.8417



36.8206, 39.6747, 21.1598



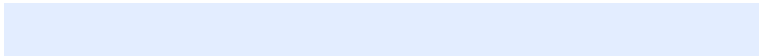
30.3352, 39.6747, 29.3463

Sweetspot

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



38.6141, 39.6762, 76.8579



80.0147, 84.1466, 106.6324



47.2516, 63.2114, 60.4372



16.7592, 17.6193, 22.7675



0.0000, 0.0000, 0.0000



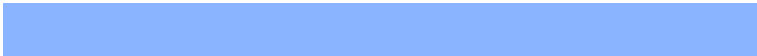
20.3446, 21.4041, 23.3091

Same Dimension

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



38.6141, 39.6762, 76.8579



44.7995, 45.2334, 100.9775



35.4882, 30.4313, 75.2382



13.3544, 14.0480, 17.3954



9.6326, 6.7348, 41.8406



0.7506, 0.6326, 2.9278

Inverse Universe

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



47.5408, 37.3764, 42.7405



58.5220, 42.6456, 48.3180



59.1819, 69.9414, 34.8083



13.9104, 13.7818, 15.2982



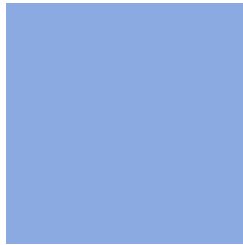
18.8023, 9.5879, 5.6248



1.3451, 0.6813, 0.6102

Previews

White Background



This preview shows how the XYZ color 38.6128, 39.6747, 76.8570 looks on a white background.

Color Contrast Check

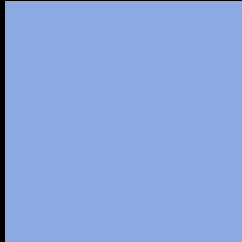
Large Text (above 18pt) WCAG AA × Fail

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 38.6128, 39.6747, 76.8570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

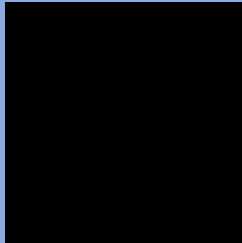
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

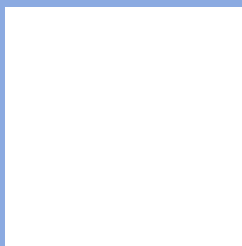
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.6128, 39.6747, 76.8570

Background



This preview shows how black text looks on a background with the XYZ color 38.6128, 39.6747, 76.8570.



This preview shows how white text looks on a background with the XYZ color 38.6128, 39.6747,

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

38.6128, 39.6747, 76.8570

Protanopia

40.1404, 39.6837, 74.6513

Deuteranopia

40.5006, 39.5357, 77.4481



Tritanopia

34.0255, 39.5142, 54.5489

Trichromacy



Original Color

38.6128, 39.6747, 76.8570

Protanomaly

39.5347, 39.6289, 75.3775

Deuteranomaly

39.7589, 39.4243, 77.4656

Tritanomaly

35.5884, 39.5704, 62.2621

Monochromacy



Original Color

38.6128, 39.6747, 76.8570

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.9844, 38.8042, 53.1176

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6128, 39.6747, 76.8570 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(139, 170, 225)` looks like.

```
.text, #text, p{  
    color:rgb(139, 170, 225)  
}
```

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(139, 170, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 170, 225) }
```

Border

The CSS property to change the border of an element to XYZ 38.6128, 39.6747, 76.8570 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(139, 170, 225) }
```


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

```
.border{ border-color:rgb(139, 170, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 170, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 170, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 170, 225);  
box-shadow:4px 4px 4px 4px rgb(139, 170,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6128, 39.6747, 76.8570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 170, 225) }
```

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

```
.background{ background-color: rgb(139,  
170, 225) }
```

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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