

Converting Colors

XYZ(33.8895, 38.4212, 76.7355)

Have a look what the booklet for
XYZ(33.8895, 38.4212, 76.7355)
contains.

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Color

**XYZ(33.8722, 38.3610,
76.8533)**

Conversions

Conversions Part 1

Format	Color
Hex	63AEE1
RGB	99, 174, 225
RGB Percent	39%, 68%, 88%
CMY	0.6117, 0.3176, 0.1176
CMYK	0.56, 0.23, 0.00, 0.12
HSL	204°, 68%, 64%
HSV	204°, 56%, 88%
XYZ	33.8722, 38.3610, 76.8533
YIQ	157.3890, -61.0710, -0.0390

Conversions

Conversions Part 2

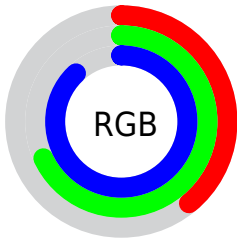
Format	Color
R_{YB}	99, 146, 225
Decimal	6532833
CIE _{Lab}	68.29, -8.81, -32.75
CIE _{LCh}	68, 33.917, 254.944
Yxy	38.3610, 0.2272, 0.2573
Android (android.graphics.Color)	4284722913 (0xFF63AEE1)
YUV	157.3890, 33.3322, -51.2072
Hunter-Lab	61.9363, -10.7689, -30.2143

Details

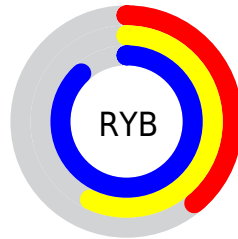
The XYZ color **33.8722, 38.3610, 76.8533** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **44.2110, 38.7226, 16.9498**, and the grayscale version is **32.0984, 33.7700, 36.7756**.

A 20% lighter version of the original color is **60.1699, 70.5277, 105.0497**, and **14.7507, 17.0974, 40.5529** is the 20% darker color. If you saturate the color by 10%, you get **30.0478, 33.8661, 76.1880**, and if you desaturate by 10%, it is **38.5031, 43.4502, 77.5923**.

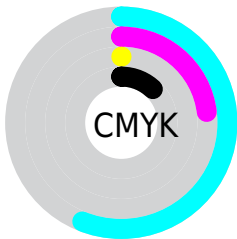
Distribution



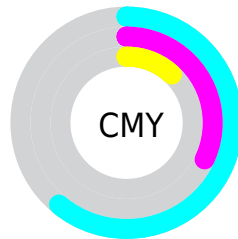
- Red (39%)
- Green (68%)
- Blue (88%)



- Red (39%)
- Yellow (57%)
- Blue (88%)



- Cyan (56%)
- Magenta (23%)
- Yellow (0%)
- Black (12%)



- Cyan (61%)
- Magenta (32%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8722, 38.3610, 76.8533 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 33.8722, 38.3610, 76.8533 by changing the saturation by 10% instead.

■ 33.8722, 38.3610,
76.8533

■ 33.8722, 38.3610,
76.8533

311.1578,
339.1660, 503.6881

■ 22.9579, 26.2630,
56.6216

■ 65.0805, 72.6611,
130.7035

■ 14.6829, 17.0205,
40.2942

■ 86.1052, 95.6320,
165.1591

■ 8.6820, 10.2491,
27.4525

■ 111.2306,
122.9960, 205.1931

■ 4.5898, 5.5644,
17.6779

■ 140.8223,
155.1375, 251.2241

■ 2.0409, 2.5821,
10.5519

175.2455,
192.4408, 303.6705

■ 0.6568, 0.9177,
5.6561

214.8656,

■ 0.0000, 0.0000,

235.2904, 362.9510

2.5717

260.0479,
284.0707, 429.4840

■ 0.0000, 0.0000,
0.8778

■ 0.0000, 0.0000,
0.0000

■ 33.8722, 38.3610,
76.8533

■ 33.8722, 38.3610,
76.8533

■ 30.0478, 33.8661,
76.1880

■ 38.5031, 43.4502,
77.5923

■ 26.9653, 29.9266,
75.5901

■ 43.9907, 49.1608,
78.4053

■ 24.5553, 26.5039,
75.0564

■ 50.3852, 55.5227,
79.2963

■ 22.7309, 23.5493,
74.5823

■ 57.7318, 62.5624,
80.2678

■ 22.1060, 22.4668,
74.4063

■ 66.0723, 70.3047,
81.3227

■ 75.4459, 78.7727,
82.4631

■ 85.3335, 87.7017,
83.6654

■ 88.0488, 93.1325,
84.5706

■ 90.5907, 98.2163,
85.4179

Harmonies

Analogous

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



29.7003, 38.3610, 66.0214



33.8722, 38.3610, 76.8533



39.1582, 38.3610, 76.8755

Triad

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



33.8722, 38.3610, 76.8533



47.2439, 38.3610, 34.6717



29.7126, 38.3610, 24.3000

Complementary

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



33.8722, 38.3610, 76.8533



44.2110, 38.7226, 16.9498

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.



33.8905, 38.3610, 19.4052



33.8722, 38.3610, 76.8533



44.1768, 38.3610, 24.3282

Square

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



33.8722, 38.3610, 76.8533



47.2378, 38.3610, 49.8353



39.1784, 38.3610, 19.4140



27.4622, 38.3610, 34.6231

Rectangle

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



33.8722, 38.3610, 76.8533



42.6283, 38.3610, 70.6201



39.1784, 38.3610, 19.4140



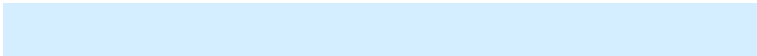
30.9192, 38.3610, 22.0897

Sweetspot

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



33.8735, 38.3624, 76.8542



75.5162, 81.9964, 106.4545



37.5288, 58.6868, 37.9528



15.7250, 17.1344, 22.7284



0.0000, 0.0000, 0.0000



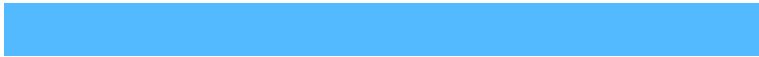
20.3446, 21.4041, 23.3091

Same Dimension

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



33.8735, 38.3624, 76.8542



39.2461, 44.1648, 101.0639



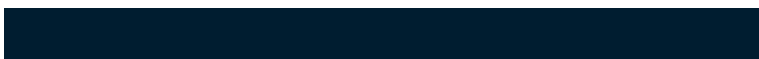
24.4876, 19.5907, 73.7256



13.6270, 14.5931, 17.4862



12.8558, 13.1812, 42.9150



0.9783, 1.0880, 3.0037

Inverse Universe

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



43.1543, 27.9886, 43.1736



53.2686, 31.1626, 49.5761



56.9480, 64.1966, 21.1955



14.0479, 13.8368, 16.0226



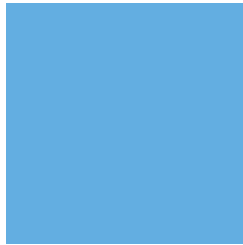
20.4292, 10.2387, 14.1920



1.4600, 0.7273, 1.2154

Previews

White Background



This preview shows how the XYZ color 33.8722, 38.3610, 76.8533 looks on a white background.

Color Contrast Check

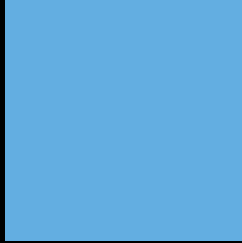
Large Text (above 18pt) WCAG AA × Fail

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 33.8722, 38.3610, 76.8533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

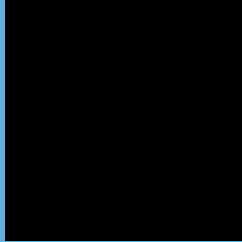
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.8722, 38.3610, 76.8533

Background



This preview shows how black text looks on a background with the XYZ color 33.8722, 38.3610, 76.8533.

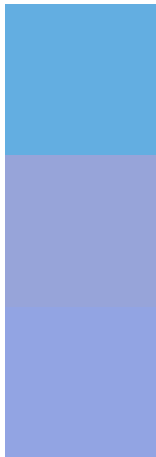


This preview shows how white text looks on a background with the XYZ color 33.8722, 38.3610,

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

33.8722, 38.3610, 76.8533

Protanopia

38.5623, 38.1400, 70.9749

Deuteranopia

38.9946, 38.2080, 77.9927



Tritanopia

29.9893, 38.5638, 56.9019

Trichromacy



Original Color

33.8722, 38.3610, 76.8533

Protanomaly

36.4366, 38.0781, 73.1395

Deuteranomaly

36.7834, 38.1634, 77.3791

Tritanomaly

31.2542, 38.4727, 63.5363

Monochromacy



Original Color

33.8722, 38.3610, 76.8533

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.6940, 34.8060, 49.3037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8722, 38.3610, 76.8533 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(99, 174, 225)` looks like.

```
.text, #text, p{  
    color:rgb(99, 174, 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(99, 174, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 174, 225) }
```

Border

The CSS property to change the border of an element to XYZ 33.8722, 38.3610, 76.8533 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(99, 174, 225) }
```


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

```
.border{ border-color:rgb(99, 174, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 174, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 174, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 174, 225);  
box-shadow:4px 4px 4px 4px rgb(99, 174,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8722, 38.3610, 76.8533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 174, 225) }
```

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

```
.background{ background-color: rgb(99, 174,  
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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