

Converting Colors

XYZ(33.7300, 39.0947, 61.4321)

Have a look what the booklet for
XYZ(33.7300, 39.0947, 61.4321)
contains.

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Color

**XYZ(33.7938, 39.2369,
61.6695)**

Conversions

Conversions Part 1

Format	Color
Hex	77B0CA
RGB	119, 176, 202
RGB Percent	47%, 69%, 79%
CMY	0.5333, 0.3098, 0.2078
CMYK	0.41, 0.13, 0.00, 0.21
HSL	199°, 44%, 63%
HSV	199°, 41%, 79%
XYZ	33.7938, 39.2369, 61.6695
YIQ	161.9210, -42.3180, -3.9980

Conversions

Conversions Part 2

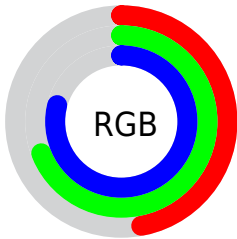
Format	Color
R _{YB}	119, 153, 202
Decimal	7844042
CIE Lab	68.92, -11.83, -19.06
CIE LCh	69, 22.430, 238.173
Yxy	39.2369, 0.2509, 0.2913
Android (android.graphics.Color)	4286034122 (0xFF77B0CA)
YUV	161.9210, 19.7589, -37.6417
Hunter-Lab	62.6394, -13.3185, -14.5244

Details

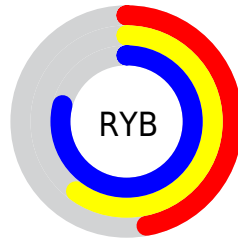
The XYZ color **33.7938, 39.2369, 61.6695** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.8132, 34.1401, 22.0507**, and the grayscale version is **34.2314, 36.0141, 39.2194**.

A 20% lighter version of the original color is **64.3622, 73.9319, 105.4858**, and **14.6082, 17.4279, 30.6109** is the 20% darker color. If you saturate the color by 10%, you get **30.0990, 35.5339, 61.1502**, and if you desaturate by 10%, it is **38.1381, 43.3623, 62.2375**.

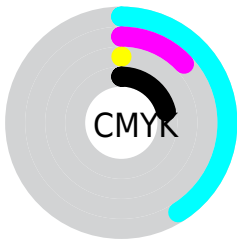
Distribution



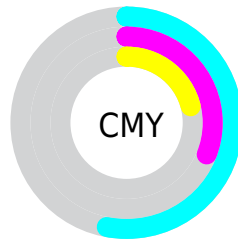
- Red (47%)
- Green (69%)
- Blue (79%)



- Red (47%)
- Yellow (60%)
- Blue (79%)



- Cyan (41%)
- Magenta (13%)
- Yellow (0%)
- Black (21%)



- Cyan (53%)
- Magenta (31%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7938, 39.2369, 61.6695 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 33.7938, 39.2369, 61.6695 by changing the saturation by 10% instead.

■ 33.7938, 39.2369,
61.6695

■ 33.7938, 39.2369,
61.6695

310.8138,
342.8966, 448.6988

■ 22.8974, 26.9441,
44.3316

■ 64.9593, 74.0001,
108.8147

■ 14.6380, 17.5312,
30.5922

■ 85.9591, 97.2392,
139.4591

■ 8.6504, 10.6140,
20.0327

■ 111.0574,
124.8959, 175.3761

■ 4.5691, 5.8079,
12.2345

140.6195,
157.3546, 216.9842

■ 2.0289, 2.7286,
6.7791

175.0109,
194.9996, 264.7020

■ 0.6501, 0.9917,
3.2480

214.5968,

■ 0.0000, 0.0000,

238.2153, 318.9480

1.2226

259.7426,
287.3862, 380.1408

■ 0.0000, 0.0000,
0.0000

■ 33.7938, 39.2369,
61.6695

■ 33.7938, 39.2369,
61.6695

■ 30.0990, 35.5339,
61.1502

■ 38.1381, 43.3623,
62.2375

■ 27.0115, 32.2278,
60.6748

■ 43.1633, 47.9249,
62.8533

■ 24.4897, 29.2969,
60.2420

■ 48.9031, 52.9439,
63.5196

■ 22.4849, 26.7148,
59.8492

■ 55.3877, 58.4362,
64.2379

■ 20.9390, 24.4504,
59.4936

■ 62.6457, 64.4173,
65.0098

■ 19.8538, 22.6504,
59.2034

■ 70.7040, 70.9024,
65.8369

■ 77.5716, 76.8660,
66.6260

■ 79.2669, 80.2565,
67.1911

■ 81.0257, 83.7741,
67.7774

Harmonies

Analogous

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



31.5708, 39.2369, 52.6788



33.7938, 39.2369, 61.6695



37.0754, 39.2369, 65.5040

Triad

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



33.7938, 39.2369, 61.6695



44.5738, 39.2369, 43.3512



34.1495, 39.2369, 27.6467

Complementary

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



33.7938, 39.2369, 61.6695



37.8132, 34.1401, 22.0507

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.



37.5124, 39.2369, 25.9498



33.7938, 39.2369, 61.6695



43.6691, 39.2369, 34.1067

Square

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



33.7938, 39.2369, 61.6695



43.4268, 39.2369, 53.9351



41.0268, 39.2369, 28.1176



31.7667, 39.2369, 33.1824

Rectangle

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



33.7938, 39.2369, 61.6695



39.4728, 39.2369, 64.2234



41.0268, 39.2369, 28.1176



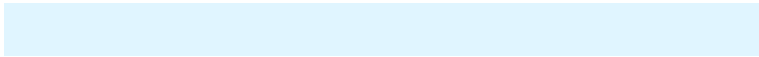
35.1959, 39.2369, 26.6514

Sweetspot

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



33.7950, 39.2384, 61.6704



81.6927, 88.6874, 107.4205



33.7557, 48.1745, 33.8662



17.1987, 18.7346, 22.9596



0.0000, 0.0000, 0.0000



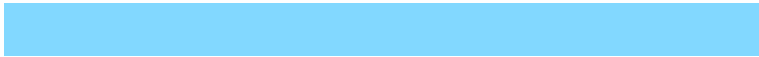
20.3446, 21.4041, 23.3091

Same Dimension

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



33.7950, 39.2384, 61.6704



51.7838, 61.0101, 103.6546



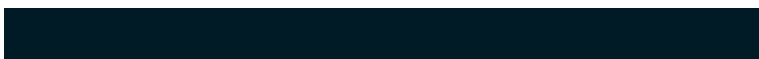
27.0175, 25.6833, 59.4112



11.2353, 12.1111, 14.3159



12.8582, 14.7404, 38.1238



0.7293, 0.8923, 1.9887

Inverse Universe

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



38.7915, 28.8860, 44.6069



61.6059, 42.1892, 69.7676



45.1206, 48.7550, 24.4865



11.5321, 11.3416, 13.3369



18.7011, 9.2910, 16.6767



0.9980, 0.4926, 1.0356

Previews

White Background



This preview shows how the XYZ color 33.7938, 39.2369, 61.6695 looks on a white background.

Color Contrast Check

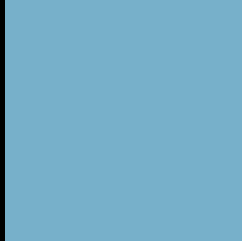
Large Text (above 18pt) WCAG AA × Fail

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 33.7938, 39.2369, 61.6695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

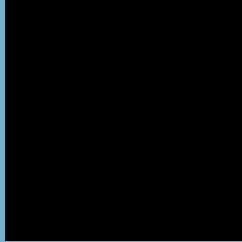
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.7938, 39.2369, 61.6695

Background



This preview shows how black text looks on a background with the XYZ color 33.7938, 39.2369, 61.6695.



This preview shows how white text looks on a background with the XYZ color 33.7938, 39.2369,

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

33.7938, 39.2369, 61.6695

Protanopia

38.3868, 38.8939, 57.1138

Deuteranopia

39.8120, 38.9580, 63.1789



Tritanopia

32.6373, 39.3596, 55.7462

Trichromacy



Original Color

33.7938, 39.2369, 61.6695

Protanomaly

36.4218, 38.9377, 59.0222

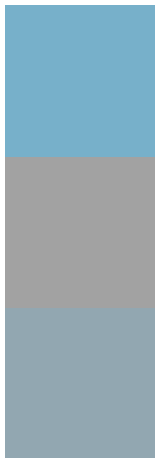
Deuteranomaly

37.1145, 38.6608, 62.6329

Tritanomaly

33.0221, 39.2117, 58.0527

Monochromacy



Original Color

33.7938, 39.2369, 61.6695

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.6086, 36.9228, 46.9504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7938, 39.2369, 61.6695 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(119, 176, 202)` looks like.

```
.text, #text, p{  
    color:rgb(119, 176, 202)  
}
```

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(119, 176, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 176, 202) }
```

Border

The CSS property to change the border of an element to XYZ 33.7938, 39.2369, 61.6695 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(119, 176, 202) }
```


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

```
.border{ border-color:rgb(119, 176, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 176, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 176, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 176, 202);  
box-shadow:4px 4px 4px 4px rgb(119, 176,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7938, 39.2369, 61.6695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 176, 202) }
```

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

```
.background{ background-color: rgb(119,  
176, 202) }
```

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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