

Converting Colors

XYZ(37.6600, 39.4333, 70.5922)

Have a look what the booklet for
XYZ(37.6600, 39.4333, 70.5922)
contains.

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Color

**XYZ(37.5846, 39.2828,
70.5672)**

Conversions

Conversions Part 1

Format	Color
Hex	8CAAD8
RGB	140, 170, 216
RGB Percent	55%, 67%, 85%
CMY	0.4510, 0.3333, 0.1529
CMYK	0.35, 0.21, 0.00, 0.15
HSL	216°, 49%, 70%
HSV	216°, 35%, 85%
XYZ	37.5846, 39.2828, 70.5672
YIQ	166.2740, -32.6460, 7.9460

Conversions

Conversions Part 2

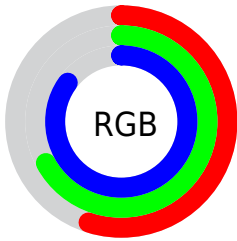
Format	Color
RYB	140, 162, 216
Decimal	9218776
CIELab	68.96, 0.81, -26.60
CIELCh	69, 26.616, 271.738
Yxy	39.2828, 0.2549, 0.2664
Android (android.graphics.Color)	4287408856 (0xFF8CAAD8)
YUV	166.2740, 24.5149, -23.0423
Hunter-Lab	62.6760, -2.6428, -22.8817

Details

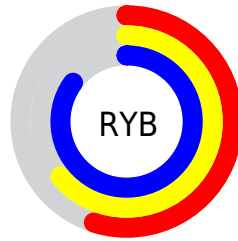
The XYZ color **37.5846, 39.2828, 70.5672** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **50.6122, 51.6108, 32.1065**, and the grayscale version is **36.2755, 38.1646, 41.5613**.

A 20% lighter version of the original color is **67.4809, 72.6725, 105.0783**, and **16.8419, 17.5563, 36.2193** is the 20% darker color. If you saturate the color by 10%, you get **31.9660, 32.9279, 69.6374**, and if you desaturate by 10%, it is **44.1639, 46.4965, 71.6135**.

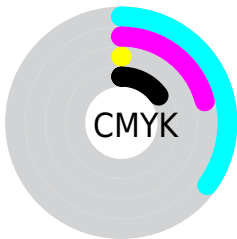
Distribution



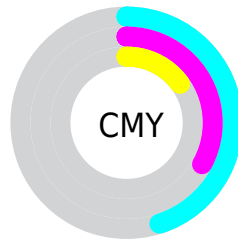
- Red (55%)
- Green (67%)
- Blue (85%)



- Red (55%)
- Yellow (64%)
- Blue (85%)



- Cyan (35%)
- Magenta (21%)
- Yellow (0%)
- Black (15%)



- Cyan (45%)
- Magenta (33%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5846, 39.2828, 70.5672 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 37.5846, 39.2828, 70.5672 by changing the saturation by 10% instead.

■ 37.5846, 39.2828,
70.5672

■ 37.5846, 39.2828,
70.5672

327.1464,
343.0913, 481.3819

■ 25.8362, 26.9798,
51.5094

■ 70.7790, 74.0701,
121.7060

■ 16.8332, 17.5581,
36.2346

■ 92.9557, 97.3233,
154.6240

■ 10.2102, 10.6332,
24.3243

■ 119.3392,
124.9952, 192.9992

■ 5.6019, 5.8207,
15.3600

150.2949,
157.4704, 237.2502

■ 2.6429, 2.7364,
8.9230

186.1881,
195.1332, 287.7954

■ 0.9679, 0.9957,
4.5949

227.3842,

■ 0.0000, 0.0000,

238.3681, 345.0534

1.9570

274.2485,
287.5593, 409.4427

■ 0.0000, 0.0000,
0.5287

■ 0.0000, 0.0000,
0.0000

■ 37.5846, 39.2828,
70.5672

■ 37.5846, 39.2828,
70.5672

■ 31.9660, 32.9279,
69.6374

■ 44.1639, 46.4965,
71.6135

■ 27.2551, 27.3915,
68.8171

■ 51.7455, 54.5978,
72.7776

■ 23.3995, 22.6363,
68.1024

■ 60.3728, 63.6199,
74.0644

■ 20.3392, 18.6198,
67.4885

■ 70.0858, 73.5925,
75.4773

■ 18.0051, 15.2942,
66.9696

■ 80.9221, 84.5442,
77.0201

■ 16.3144, 12.6038,
66.5394

■ 87.3389, 93.6261,
78.4349

■ 15.6643, 11.4969,
66.3600

■ 89.3948, 97.7379,
79.1202

Harmonies

Analogous

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



33.6133, 39.2828, 66.7715



37.5846, 39.2828, 70.5672



41.7856, 39.2828, 65.8243

Triad

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



37.5846, 39.2828, 70.5672



44.6979, 39.2828, 31.6420



30.6155, 39.2828, 32.6546

Complementary

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



37.5846, 39.2828, 70.5672



50.6122, 51.6108, 32.1065

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.



33.2161, 39.2828, 25.8491



37.5846, 39.2828, 70.5672



41.3263, 39.2828, 25.3469

Square

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



37.5846, 39.2828, 70.5672



46.0803, 39.2828, 42.0690



37.0907, 39.2828, 23.4432



29.7763, 39.2828, 43.4834

Rectangle

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



37.5846, 39.2828, 70.5672



44.1014, 39.2828, 58.8968



37.0907, 39.2828, 23.4432



31.3025, 39.2828, 29.8972

Sweetspot

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



37.5859, 39.2843, 70.5681



80.2939, 84.7051, 106.7255



44.1925, 58.2163, 55.1404



16.8255, 17.7519, 22.7896



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.



37.5859, 39.2843, 70.5681



48.6966, 50.4105, 101.7714



33.9144, 29.9739, 68.9645



12.1408, 12.8050, 15.7692



9.3700, 7.0017, 39.3108



0.6447, 0.5814, 2.3976

Inverse Universe

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



44.9538, 36.2586, 42.6611



61.1279, 46.1339, 54.5000



55.4154, 64.4740, 34.3362



12.6243, 12.5012, 13.9616



17.7884, 9.0517, 6.1897



1.1131, 0.5620, 0.5848

Previews

White Background



This preview shows how the XYZ color 37.5846, 39.2828, 70.5672 looks on a white background.

Color Contrast Check

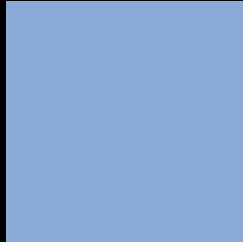
Large Text (above 18pt) WCAG AA × Fail

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 37.5846, 39.2828, 70.5672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

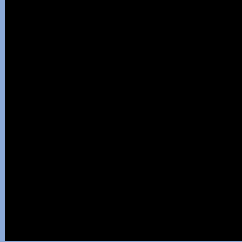
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

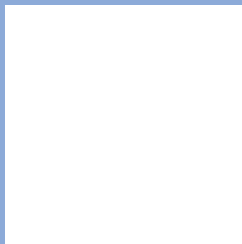
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.5846, 39.2828, 70.5672

Background



This preview shows how black text looks on a background with the XYZ color 37.5846, 39.2828, 70.5672.



This preview shows how white text looks on a background with the XYZ color 37.5846, 39.2828,

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

37.5846, 39.2828, 70.5672

Protanopia

39.3568, 39.1445, 68.4321

Deuteranopia

40.0801, 39.1891, 71.0975



Tritanopia

34.3468, 39.4024, 53.9393

Trichromacy



Original Color

37.5846, 39.2828, 70.5672

Protanomaly

38.5340, 38.9765, 69.1106

Deuteranomaly

39.1056, 39.2265, 71.1560

Tritanomaly

35.4057, 39.2449, 59.7418

Monochromacy



Original Color

37.5846, 39.2828, 70.5672

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.3751, 38.2662, 50.8163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5846, 39.2828, 70.5672 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(140, 170, 216)` looks like.

```
.text, #text, p{  
    color:rgb(140, 170, 216)  
}
```

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(140, 170, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 170, 216) }
```

Border

The CSS property to change the border of an element to XYZ 37.5846, 39.2828, 70.5672 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(140, 170, 216) }
```


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

```
.border{ border-color:rgb(140, 170, 216) }
```

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

Here you see how a box with a 4 pixel rgb(140, 170, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 170, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 170, 216);  
box-shadow:4px 4px 4px 4px rgb(140, 170,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5846, 39.2828, 70.5672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 170, 216) }
```

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

```
.background{ background-color: rgb(140,  
170, 216) }
```

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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