

Converting Colors

XYZ(34.9811, 40.0435, 69.1216)

Have a look what the booklet for
XYZ(34.9811, 40.0435, 69.1216)
contains.

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Color

**XYZ(34.9348, 39.9614,
68.8228)**

Conversions

Conversions Part 1

Format	Color
Hex	74B1D5
RGB	116, 177, 213
RGB Percent	45%, 69%, 84%
CMY	0.5451, 0.3059, 0.1647
CMYK	0.46, 0.17, 0.00, 0.16
HSL	202°, 54%, 65%
HSV	202°, 46%, 84%
XYZ	34.9348, 39.9614, 68.8228
YIQ	162.8650, -47.9120, -1.7360

Conversions

Conversions Part 2

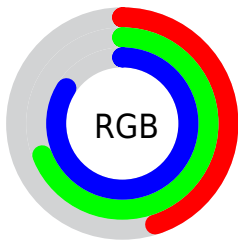
Format	Color
RYB	116, 153, 213
Decimal	7647701
CIELab	69.44, -10.12, -24.33
CIElCh	69, 26.350, 247.403
Yxy	39.9614, 0.2431, 0.2781
Android (android.graphics.Color)	4285837781 (0xFF74B1D5)
YUV	162.8650, 24.7166, -41.1006
Hunter-Lab	63.2150, -11.9811, -20.2991

Details

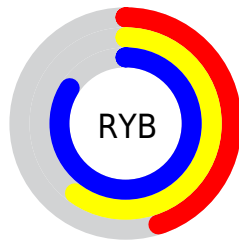
The XYZ color **34.9348, 39.9614, 68.8228** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **41.8220, 37.8644, 21.6285**, and the grayscale version is **34.6535, 36.4582, 39.7030**.

A 20% lighter version of the original color is **64.2022, 74.2685, 105.5592**, and **15.2427, 17.8446, 34.9887** is the 20% darker color. If you saturate the color by 10%, you get **30.9052, 35.6337, 68.2006**, and if you desaturate by 10%, it is **39.7065, 44.8077, 69.5075**.

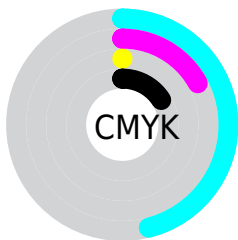
Distribution



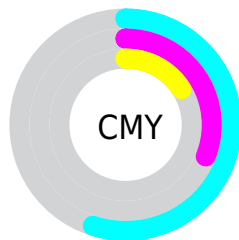
- Red (45%)
- Green (69%)
- Blue (84%)



- Red (45%)
- Yellow (60%)
- Blue (84%)



- Cyan (46%)
- Magenta (17%)
- Yellow (0%)
- Black (16%)



- Cyan (55%)
- Magenta (31%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9348, 39.9614, 68.8228 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 34.9348, 39.9614, 68.8228 by changing the saturation by 10% instead.

■ 34.9348, 39.9614,
68.8228

■ 34.9348, 39.9614,
68.8228

315.7935,
345.9609, 475.0827

■ 23.7789, 27.5084,
50.0966

■ 66.7194, 75.1047,
119.1938

■ 15.2936, 17.9555,
35.1184

■ 88.0789, 98.5639,
151.6756

■ 9.1133, 10.9180,
23.4698

■ 113.5703,
126.4606, 189.5796

■ 4.8729, 6.0117,
14.7322

143.5590,
159.1792, 233.3245

■ 2.2069, 2.8522,
8.4872

178.4103,
197.1042, 283.3287

■ 0.7463, 1.0551,
4.3160

218.4896,

■ 0.0000, 0.0000,

240.6198, 340.0108

1.8003

264.1622,
290.1106, 403.7893

■ 0.0000, 0.0000,
0.4281

■ 0.0000, 0.0000,
0.0000

■ 34.9348, 39.9614,
68.8228

■ 34.9348, 39.9614,
68.8228

■ 30.9052, 35.6337,
68.2006

■ 39.7065, 44.8077,
69.5075

■ 27.5674, 31.7937,
67.6353

■ 45.2587, 50.1920,
70.2541

■ 24.8703, 28.4139,
67.1251

■ 51.6314, 56.1379,
71.0659

■ 22.7536, 25.4605,
66.6666

■ 58.8608, 62.6661,
71.9449

■ 21.1431, 22.8931,
66.2559

■ 66.9807, 69.7962,
72.8932

■ 20.5287, 21.8409,
66.0852

■ 76.0230, 77.5466,
73.9126

■ 82.2022, 83.9678,
74.8263

■ 84.4820, 88.5274,
75.5863

■ 86.8632, 93.2899,
76.3800

Harmonies

Analogous

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



31.8669, 39.9614, 59.2900



34.9348, 39.9614, 68.8228



39.0422, 39.9614, 71.0149

Triad

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



34.9348, 39.9614, 68.8228



46.6540, 39.9614, 40.5717



33.2422, 39.9614, 27.4741

Complementary

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



34.9348, 39.9614, 68.8228



41.8220, 37.8644, 21.6285

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.



36.9414, 39.9614, 24.2215



34.9348, 39.9614, 68.8228



44.8335, 39.9614, 30.8140

Square

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



34.9348, 39.9614, 68.8228



46.0170, 39.9614, 53.1136



41.2017, 39.9614, 25.3189



30.9416, 39.9614, 35.1420

Rectangle

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



34.9348, 39.9614, 68.8228



41.8592, 39.9614, 67.7057



41.2017, 39.9614, 25.3189



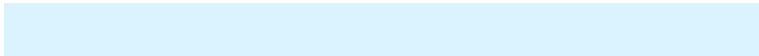
34.3521, 39.9614, 25.9000

Sweetspot

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



34.9361, 39.9629, 68.8237



79.0318, 85.6827, 106.9807



36.6298, 53.5552, 37.9278



16.4377, 17.9013, 22.8389



0.0000, 0.0000, 0.0000



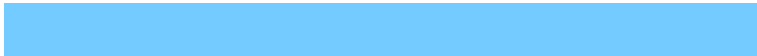
20.3446, 21.4041, 23.3091

Same Dimension

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



34.9361, 39.9629, 68.8237



46.4315, 53.5361, 102.4940



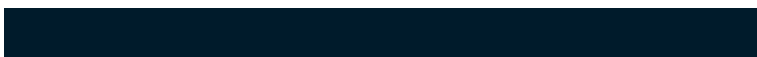
27.0553, 24.2013, 66.1968



12.3868, 13.2971, 15.8513



12.6404, 13.5427, 40.4009



0.8405, 0.9729, 2.4628

Inverse Universe

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



41.6228, 29.8124, 45.1572



58.1158, 37.7739, 60.6967



51.2635, 56.7474, 24.7757



12.7485, 12.5509, 14.6156



19.4392, 9.7120, 14.8826



1.2119, 0.6015, 1.1051

Previews

White Background



This preview shows how the XYZ color 34.9348, 39.9614, 68.8228 looks on a white background.

Color Contrast Check

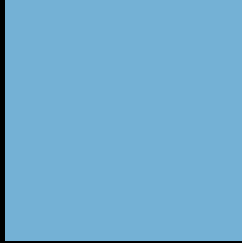
Large Text (above 18pt) WCAG AA × Fail

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 34.9348, 39.9614, 68.8228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

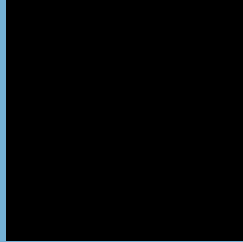
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.9348, 39.9614, 68.8228

Background



This preview shows how black text looks on a background with the XYZ color 34.9348, 39.9614, 68.8228.



This preview shows how white text looks on a background with the XYZ color 34.9348, 39.9614,

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

34.9348, 39.9614, 68.8228

Protanopia

39.4565, 39.5672, 63.9502

Deuteranopia

40.5999, 39.7558, 69.8238



Tritanopia

32.7271, 39.9622, 57.6183

Trichromacy



Original Color

34.9348, 39.9614, 68.8228

Protanomaly

37.5731, 39.6586, 65.9962

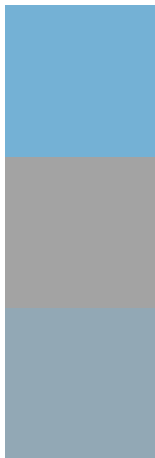
Deuteranomaly

38.1894, 39.6242, 69.2538

Tritanomaly

33.5908, 40.0152, 61.8304

Monochromacy



Original Color

34.9348, 39.9614, 68.8228

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.1972, 37.4525, 49.1427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9348, 39.9614, 68.8228 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(116, 177, 213)` looks like.

```
.text, #text, p{  
    color:rgb(116, 177, 213)  
}
```

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(116, 177, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 177, 213) }
```

Border

The CSS property to change the border of an element to XYZ 34.9348, 39.9614, 68.8228 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(116, 177, 213) }
```


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

```
.border{ border-color:rgb(116, 177, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 177, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 177, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 177, 213);  
box-shadow:4px 4px 4px 4px rgb(116, 177,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9348, 39.9614, 68.8228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 177, 213) }
```

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

```
.background{ background-color: rgb(116,  
177, 213) }
```

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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