

Converting Colors

XYZ(35.0109, 38.8392, 74.1953)

Have a look what the booklet for
XYZ(35.0109, 38.8392, 74.1953)
contains.

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Color

**XYZ(34.9341, 38.6850,
74.0323)**

Conversions

Conversions Part 1

Format	Color
Hex	72ADDD
RGB	114, 173, 221
RGB Percent	45%, 68%, 87%
CMY	0.5529, 0.3216, 0.1333
CMYK	0.48, 0.22, 0.00, 0.13
HSL	207°, 61%, 66%
HSV	207°, 48%, 87%
XYZ	34.9341, 38.6850, 74.0323
YIQ	160.8310, -50.5720, 2.4200

Conversions

Conversions Part 2

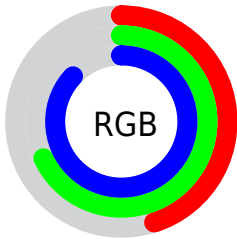
Format	Color
RYB	114, 152, 221
Decimal	7515613
CIELab	68.52, -6.16, -30.14
CIELCh	69, 30.762, 258.441
Yxy	38.6850, 0.2366, 0.2620
Android (android.graphics.Color)	4285705693 (0xFF72ADDD)
YUV	160.8310, 29.6633, -41.0708
Hunter-Lab	62.1973, -8.5878, -27.0337

Details

The XYZ color **34.9341, 38.6850, 74.0323** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **45.7774, 42.4289, 21.6978**, and the grayscale version is **33.6825, 35.4366, 38.5905**.

A 20% lighter version of the original color is **62.5880, 71.3647, 105.0838**, and **15.3512, 17.2687, 38.6005** is the 20% darker color. If you saturate the color by 10%, you get **30.5683, 33.7168, 73.3042**, and if you desaturate by 10%, it is **40.1379, 44.2962, 74.8418**.

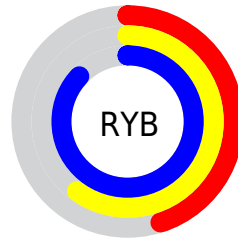
Distribution



Red (45%)

Green (68%)

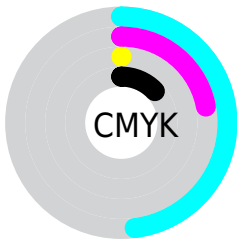
Blue (87%)



Red (45%)

Yellow (60%)

Blue (87%)

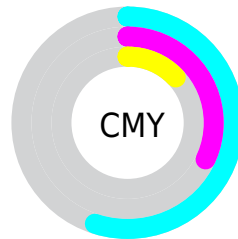


Cyan (48%)

Magenta (22%)

Yellow (0%)

Black (13%)



Cyan (55%)

Magenta (32%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9341, 38.6850, 74.0323 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 34.9341, 38.6850, 74.0323 by changing the saturation by 10% instead.

■ 34.9341, 38.6850,
74.0323

■ 34.9341, 38.6850,
74.0323

315.7905,
340.5494, 493.7512

■ 23.7784, 26.5148,
54.3235

■ 66.7184, 73.1569,
126.6761

■ 15.2932, 17.2091,
38.4654

■ 88.0776, 96.2273,
160.4481

■ 9.1130, 10.3837,
26.0395

■ 113.5688,
123.6999, 199.7450

■ 4.8727, 5.6541,
16.6272

143.5572,
155.9590, 244.9853

■ 2.2067, 2.6359,
9.8099

178.4082,
193.3892, 296.5876

■ 0.7463, 0.9448,
5.1691

218.4872,

■ 0.0000, 0.0000,

236.3747, 354.9703

2.2864

264.1595,
285.3000, 420.5520

■ 0.0000, 0.0000,
0.7236

■ 0.0000, 0.0000,
0.0000

■ 34.9341, 38.6850,
74.0323

■ 34.9341, 38.6850,
74.0323

■ 30.5683, 33.7168,
73.3042

■ 40.1379, 44.2962,
74.8418

■ 26.9828, 29.3551,
72.6512

■ 46.2247, 50.5756,
75.7330

■ 24.1180, 25.5650,
72.0707

■ 53.2404, 57.5519,
76.7098

■ 21.9023, 22.3051,
71.5582

■ 61.2266, 65.2507,
77.7749

■ 20.2319, 19.5167,
71.1080

■ 70.2222, 73.6960,
78.9309

■ 19.9937, 19.1054,
71.0412

■ 80.2638, 82.9106,
80.1803

■ 86.1629, 90.2237,
81.2809

■ 89.2006, 96.2993,
82.2935

■ 90.0513, 98.0005,
82.5771

Harmonies

Analogous

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



30.9298, 38.6850, 65.4002



34.9341, 38.6850, 74.0323



39.7947, 38.6850, 72.8317

Triad

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



34.9341, 38.6850, 74.0323



46.3313, 38.6850, 34.2342



30.2306, 38.6850, 26.7882

Complementary

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



34.9341, 38.6850, 74.0323



45.7774, 42.4289, 21.6978

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.



33.9006, 38.6850, 21.5457



34.9341, 38.6850, 74.0323



43.3002, 38.6850, 25.1482

Square

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



34.9341, 38.6850, 74.0323



46.6697, 38.6850, 47.6954



38.6669, 38.6850, 21.0199



28.3779, 38.6850, 36.9995

Rectangle

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



34.9341, 38.6850, 74.0323



42.8689, 38.6850, 66.6587



38.6669, 38.6850, 21.0199



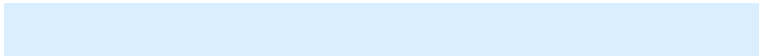
31.2770, 38.6850, 24.4927

Sweetspot

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



34.9354, 38.6864, 74.0332



77.1193, 82.9901, 106.5618



39.1743, 57.8421, 42.5274



16.0216, 17.2918, 22.7432



0.0000, 0.0000, 0.0000



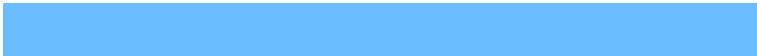
20.3446, 21.4041, 23.3091

Same Dimension

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



34.9354, 38.6864, 74.0332



42.2484, 46.5979, 101.3753



26.8454, 22.5064, 71.3366



12.9309, 13.8016, 16.6346



11.7293, 11.3280, 41.3067



0.8455, 0.9050, 2.7046

Inverse Universe

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



43.3800, 30.4252, 43.1229



55.6558, 35.4553, 51.8569



56.8697, 64.6136, 25.3952



13.3550, 13.1711, 15.1307



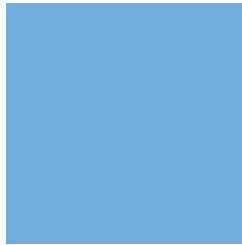
19.4157, 9.7673, 11.8352



1.3010, 0.6501, 0.9942

Previews

White Background



This preview shows how the XYZ color 34.9341, 38.6850, 74.0323 looks on a white background.

Color Contrast Check

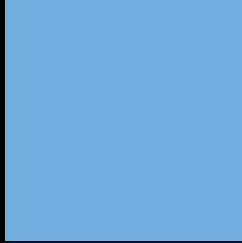
Large Text (above 18pt) WCAG AA × Fail

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 34.9341, 38.6850, 74.0323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

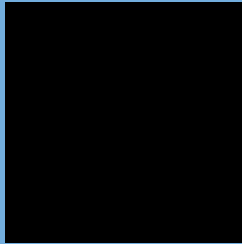
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.9341, 38.6850, 74.0323

Background



This preview shows how black text looks on a background with the XYZ color 34.9341, 38.6850, 74.0323.

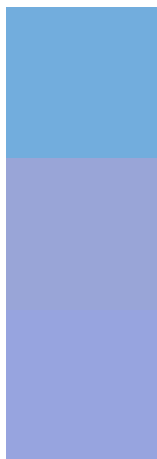


This preview shows how white text looks on a background with the XYZ color 34.9341, 38.6850,

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

34.9341, 38.6850, 74.0323

Protanopia

38.8577, 38.5889, 69.6904

Deuteranopia

39.3572, 38.4579, 75.1608



Tritanopia

31.2605, 38.6498, 55.6817

Trichromacy



Original Color

34.9341, 38.6850, 74.0323

Protanomaly

37.1745, 38.5040, 71.1183

Deuteranomaly

37.4848, 38.3146, 74.5270

Tritanomaly

32.4892, 38.5506, 62.2286

Monochromacy



Original Color

34.9341, 38.6850, 74.0323

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.5040, 36.2585, 50.0325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9341, 38.6850, 74.0323 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(114, 173, 221)` looks like.

```
.text, #text, p{  
    color:rgb(114, 173, 221)  
}
```

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(114, 173, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 173, 221) }
```

Border

The CSS property to change the border of an element to XYZ 34.9341, 38.6850, 74.0323 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(114, 173, 221) }
```


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

```
.border{ border-color:rgb(114, 173, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 173, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 173, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 173, 221);  
box-shadow:4px 4px 4px 4px rgb(114, 173,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9341, 38.6850, 74.0323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 173, 221) }
```

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

```
.background{ background-color: rgb(114,  
173, 221) }
```

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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