

Converting Colors

XYZ(34.7695, 37.6429, 76.9803)

Have a look what the booklet for
XYZ(34.7695, 37.6429, 76.9803)
contains.

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Color

**XYZ(34.7754, 37.6964,
76.6774)**

Conversions

Conversions Part 1

Format	Color
Hex	71AAE1
RGB	113, 170, 225
RGB Percent	44%, 67%, 88%
CMY	0.5568, 0.3333, 0.1176
CMYK	0.50, 0.24, 0.00, 0.12
HSL	209°, 65%, 66%
HSV	209°, 50%, 88%
XYZ	34.7754, 37.6964, 76.6774
YIQ	159.2270, -51.6270, 5.0210

Conversions

Conversions Part 2

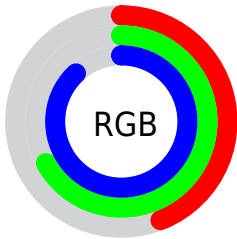
Format	Color
RYB	113, 151, 225
Decimal	7449313
CIELab	67.80, -3.58, -33.46
CIELCh	68, 33.651, 263.899
Yxy	37.6964, 0.2332, 0.2527
Android (android.graphics.Color)	4285639393 (0xFF71AAE1)
YUV	159.2270, 32.4261, -40.5411
Hunter-Lab	61.3974, -6.3433, -31.0674

Details

The XYZ color **34.7754, 37.6964, 76.6774** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **48.0359, 45.2067, 21.8184**, and the grayscale version is **32.9329, 34.6479, 37.7316**.

A 20% lighter version of the original color is **61.5528, 69.6165, 104.8009**, and **15.1612, 16.6057, 39.9423** is the 20% darker color. If you saturate the color by 10%, you get **30.2466, 32.4156, 75.8975**, and if you desaturate by 10%, it is **40.1984, 43.6981, 77.5507**.

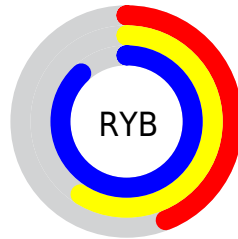
Distribution



Red (44%)

Green (67%)

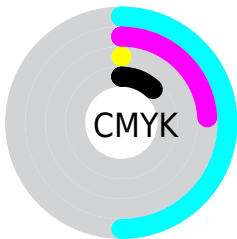
Blue (88%)



Red (44%)

Yellow (59%)

Blue (88%)

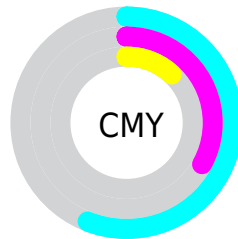


Cyan (50%)

Magenta (24%)

Yellow (0%)

Black (12%)



Cyan (56%)

Magenta (33%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7754, 37.6964, 76.6774 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 34.7754, 37.6964, 76.6774 by changing the saturation by 10% instead.

■ 34.7754, 37.6964,
76.6774

■ 34.7754, 37.6964,
76.6774

315.1013,
336.3158, 503.0718

■ 23.6556, 25.7471,
56.4782

■ 66.4740, 71.6426,
130.4528

■ 15.2017, 16.6346,
40.1799

■ 87.7835, 94.4083,
164.8661

■ 9.0483, 9.9743,
27.3640

■ 113.2203,
121.5482, 204.8545

■ 4.8301, 5.3819,
17.6119

143.1498,
153.4468, 250.8365

■ 2.1816, 2.4730,
10.5052

177.9373,
190.4885, 303.2308

■ 0.7330, 0.8631,
5.6252

217.9481,

■ 0.0000, 0.0000,

233.0576, 362.4557

2.5535

263.5476,
281.5386, 428.9299

■ 0.0000, 0.0000,
0.8683

■ 0.0000, 0.0000,
0.0000

■ 34.7754, 37.6964,
76.6774

■ 34.7754, 37.6964,
76.6774

■ 30.2466, 32.4156,
75.8975

■ 40.1984, 43.6981,
77.5507

■ 26.5499, 27.8151,
75.2044

■ 46.5642, 50.4497,
78.5184

■ 23.6203, 23.8558,
74.5945

■ 53.9225, 57.9833,
79.5847

■ 21.3802, 20.4905,
74.0630

■ 62.3180, 66.3279,
80.7529

■ 19.7000, 17.6455,
73.6025

■ 71.7926, 75.5104,
82.0259

■ 19.6655, 17.5859,
73.5928

■ 82.3856, 85.5566,
83.4067

■ 88.1978, 93.4305,
84.6202

■ 90.5907, 98.2163,
85.4178

Harmonies

Analogous

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



30.2467, 37.6964, 68.8525



34.7754, 37.6964, 76.6774



40.0414, 37.6964, 73.2465

Triad

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



34.7754, 37.6964, 76.6774



45.7871, 37.6964, 30.4879



28.3318, 37.6964, 26.3592

Complementary

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



34.7754, 37.6964, 76.6774



48.0359, 45.2067, 21.8184

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.



31.9235, 37.6964, 20.0110



34.7754, 37.6964, 76.6774



42.0597, 37.6964, 21.9594

Square

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



34.7754, 37.6964, 76.6774



46.7379, 37.6964, 44.1694



36.9043, 37.6964, 18.6219



26.7657, 37.6964, 38.0714

Rectangle

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



34.7754, 37.6964, 76.6774



43.2313, 37.6964, 65.3736



36.9043, 37.6964, 18.6219



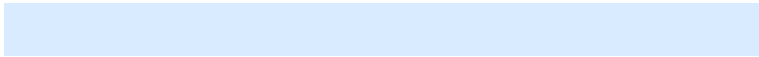
29.3244, 37.6964, 23.6533

Sweetspot

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



34.7767, 37.6978, 76.6783



76.6488, 82.0490, 106.4050



40.7239, 60.1571, 46.0906



15.9083, 17.0653, 22.7054



0.0000, 0.0000, 0.0000



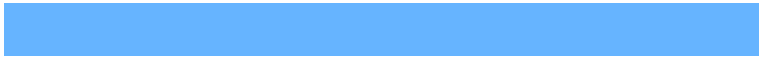
20.3446, 21.4041, 23.3091

Same Dimension

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



34.7767, 37.6978, 76.6783



39.8236, 42.6329, 100.7378



26.5176, 21.1797, 73.9253



13.5258, 14.3907, 17.4525



11.4494, 10.3684, 42.4462



0.8832, 0.8978, 2.9720

Inverse Universe

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



44.2133, 30.7215, 41.6310



54.2159, 34.0525, 46.8234



60.4562, 70.0473, 25.9585



13.9969, 13.8164, 15.7537



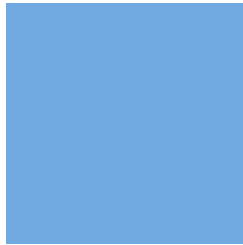
19.7193, 9.9547, 10.4538



1.4120, 0.7081, 0.9627

Previews

White Background



This preview shows how the XYZ color 34.7754, 37.6964, 76.6774 looks on a white background.

Color Contrast Check

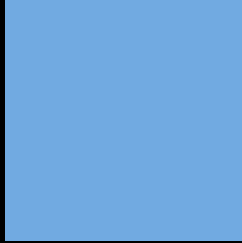
Large Text (above 18pt) WCAG AA × Fail

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 34.7754, 37.6964, 76.6774 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 34.7754, 37.6964, 76.6774

Background



This preview shows how black text looks on a background with the XYZ color 34.7754, 37.6964, 76.6774.



This preview shows how white text looks on a background with the XYZ color 34.7754, 37.6964,

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

34.7754, 37.6964, 76.6774

Protanopia

38.1009, 37.3447, 72.2179

Deuteranopia

38.4625, 37.4065, 77.8660



Tritanopia

30.4088, 37.6370, 54.9522

Trichromacy



Original Color

34.7754, 37.6964, 76.6774

Protanomaly

36.6596, 37.3650, 73.6866

Deuteranomaly

36.8555, 37.3878, 77.2256

Tritanomaly

31.8594, 37.6481, 62.0875

Monochromacy



Original Color

34.7754, 37.6964, 76.6774

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.7998, 35.3641, 49.8970

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7754, 37.6964, 76.6774 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(113, 170, 225)` looks like.

```
.text, #text, p{  
    color:rgb(113, 170, 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(113, 170, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 170, 225) }
```

Border

The CSS property to change the border of an element to XYZ 34.7754, 37.6964, 76.6774 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(113, 170, 225) }
```


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

```
.border{ border-color:rgb(113, 170, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 170, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 170, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 170, 225);  
box-shadow:4px 4px 4px 4px rgb(113, 170,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7754, 37.6964, 76.6774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 170, 225) }
```

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

```
.background{ background-color: rgb(113,  
170, 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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