

Converting Colors

XYZ(34.5495, 37.0863, 74.5270)

Have a look what the booklet for
XYZ(34.5495, 37.0863, 74.5270)
contains.

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Color

**XYZ(34.5236, 37.0611,
74.4412)**

Conversions

Conversions Part 1

Format	Color
Hex	75A8DE
RGB	117, 168, 222
RGB Percent	46%, 66%, 87%
CMY	0.5412, 0.3412, 0.1294
CMYK	0.47, 0.24, 0.00, 0.13
HSL	211°, 61%, 66%
HSV	211°, 47%, 87%
XYZ	34.5236, 37.0611, 74.4412
YIQ	158.9070, -47.7300, 5.9820

Conversions

Conversions Part 2

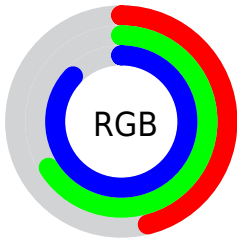
Format	Color
R _Y B	117, 151, 222
Decimal	7710942
CIE Lab	67.32, -2.40, -32.53
CIE LCh	67, 32.618, 265.778
Yxy	37.0611, 0.2364, 0.2538
Android (android.graphics.Color)	4285901022 (0xFF75A8DE)
YUV	158.9070, 31.1048, -36.7524
Hunter-Lab	60.8778, -5.3095, -29.8851

Details

The XYZ color **34.5236, 37.0611, 74.4412** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **47.8993, 45.9413, 23.1742**, and the grayscale version is **32.7913, 34.4991, 37.5695**.

A 20% lighter version of the original color is **61.8932, 68.9940, 104.6628**, and **15.0839, 16.2415, 38.8991** is the 20% darker color. If you saturate the color by 10%, you get **29.8710, 31.6703, 73.6466**, and if you desaturate by 10%, it is **40.0711, 43.1894, 75.3324**.

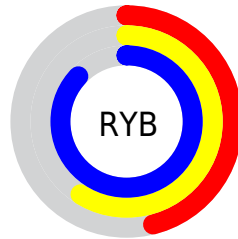
Distribution



Red (46%)

Green (66%)

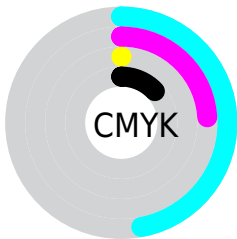
Blue (87%)



Red (46%)

Yellow (59%)

Blue (87%)

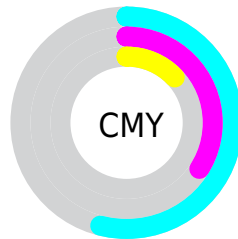


Cyan (47%)

Magenta (24%)

Yellow (0%)

Black (13%)



Cyan (54%)

Magenta (34%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5236, 37.0611, 74.4412 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 34.5236, 37.0611, 74.4412 by changing the saturation by 10% instead.

■ 34.5236, 37.0611,
74.4412

■ 34.5236, 37.0611,
74.4412

314.0055,
333.5750, 495.1988

■ 23.4609, 25.2548,
54.6563

■ 66.0860, 70.6667,
127.2609

■ 15.0568, 16.2670,
38.7298

■ 87.3164, 93.2349,
161.1326

■ 8.9458, 9.7133,
26.2434

■ 112.6668,
120.1591, 200.5371

■ 4.7627, 5.2093,
16.7784

142.5025,
151.8238, 245.8928

■ 2.1420, 2.3706,
9.9164

177.1888,
188.6133, 297.6183

■ 0.7119, 0.8107,
5.2387

217.0912,

■ 0.0000, 0.0000,

230.9121, 356.1321

2.3268

262.5750,
279.1045, 421.8527

■ 0.0000, 0.0000,
0.7462

■ 0.0000, 0.0000,
0.0000

■ 34.5236, 37.0611,
74.4412

■ 34.5236, 37.0611,
74.4412

■ 29.8710, 31.6703,
73.6466

■ 40.0711, 43.1894,
75.3324

■ 26.0539, 26.9773,
72.9419

■ 46.5600, 50.0839,
76.3211

■ 23.0111, 22.9438,
72.3238

■ 54.0380, 57.7762,
77.4118

■ 20.6700, 19.5249,
71.7872

■ 62.5482, 66.2951,
78.6076

■ 18.9354, 16.6633,
71.3263

■ 72.1309, 75.6675,
79.9116

■ 18.5294, 15.9629,
71.2125

■ 82.8245, 85.9189,
81.3267

■ 87.9689, 93.6219,
82.5423

■ 90.1850, 98.0540,
83.2810

Harmonies

Analogous

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



30.0988, 37.0611, 67.6152



34.5236, 37.0611, 74.4412



39.5664, 37.0611, 70.5103

Triad

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



34.5236, 37.0611, 74.4412



44.5941, 37.0611, 29.5410



27.8706, 37.0611, 26.7846

Complementary

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



34.5236, 37.0611, 74.4412



47.8993, 45.9413, 23.1742

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.



31.2143, 37.0611, 20.3174



34.5236, 37.0611, 74.4412



40.9036, 37.0611, 21.6252

Square

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



34.5236, 37.0611, 74.4412



45.6902, 37.0611, 42.4108



35.9368, 37.0611, 18.6796



26.4946, 37.0611, 38.3633

Rectangle

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



34.5236, 37.0611, 74.4412



42.5609, 37.0611, 62.7197



35.9368, 37.0611, 18.6796



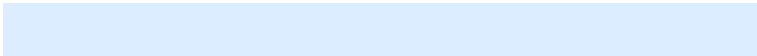
28.7853, 37.0611, 24.0583

Sweetspot

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



34.5249, 37.0625, 74.4421



77.5338, 82.6867, 106.4814



40.6671, 58.9089, 47.0114



16.0727, 17.1711, 22.7172



0.0000, 0.0000, 0.0000



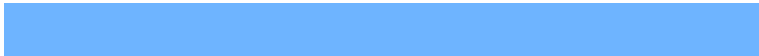
20.3446, 21.4041, 23.3091

Same Dimension

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



34.5249, 37.0625, 74.4421



40.8083, 43.2553, 100.8060



26.8836, 21.7800, 71.8950



13.4988, 14.3367, 17.4435



11.1164, 9.7024, 42.3352



0.8599, 0.8513, 2.9642

Inverse Universe

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



43.5545, 31.0808, 40.7507



55.0417, 35.6419, 47.2911



59.4573, 69.0573, 27.0268



13.9832, 13.8109, 15.6819



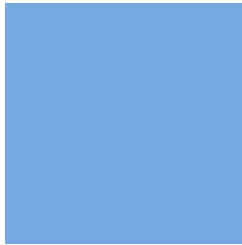
19.5513, 9.8875, 9.5686



1.4003, 0.7034, 0.9008

Previews

White Background



This preview shows how the XYZ color 34.5236, 37.0611, 74.4412 looks on a white background.

Color Contrast Check

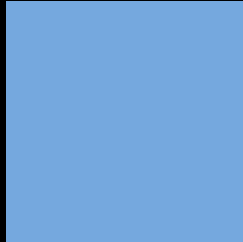
Large Text (above 18pt) WCAG AA × Fail

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 34.5236, 37.0611, 74.4412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

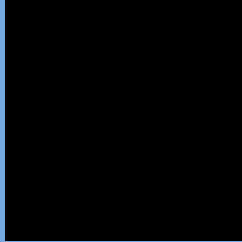
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.5236, 37.0611, 74.4412

Background



This preview shows how black text looks on a background with the XYZ color 34.5236, 37.0611, 74.4412.



This preview shows how white text looks on a background with the XYZ color 34.5236, 37.0611,

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

34.5236, 37.0611, 74.4412

Protanopia

37.4820, 36.7954, 70.7723

Deuteranopia

37.8765, 36.8913, 75.6454



Tritanopia

30.2766, 37.0287, 53.1285

Trichromacy



Original Color

34.5236, 37.0611, 74.4412

Protanomaly

36.3782, 36.9838, 72.2391

Deuteranomaly

36.5864, 37.0295, 75.0311

Tritanomaly

31.7334, 37.0547, 60.1233

Monochromacy



Original Color

34.5236, 37.0611, 74.4412

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.8654, 35.1474, 49.3079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5236, 37.0611, 74.4412 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(117, 168, 222)` looks like.

```
.text, #text, p{  
    color:rgb(117, 168, 222)  
}
```

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(117, 168, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 168, 222) }
```

Border

The CSS property to change the border of an element to XYZ 34.5236, 37.0611, 74.4412 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(117, 168, 222) }
```


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

```
.border{ border-color:rgb(117, 168, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 168, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 168, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 168, 222);  
box-shadow:4px 4px 4px 4px rgb(117, 168,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5236, 37.0611, 74.4412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 168, 222) }
```

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

```
.background{ background-color: rgb(117,  
168, 222) }
```

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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