

# Converting Colors

XYZ(34.3248, 37.3642, 73.2028)

Have a look what the booklet for  
XYZ(34.3248, 37.3642, 73.2028)  
contains.

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# Color

**XYZ(34.1765, 37.1881,  
73.0869)**

# Conversions

## Conversions Part 1

Format	Color
Hex	73A9DC
RGB	115, 169, 220
RGB Percent	45%, 66%, 86%
CMY	0.5490, 0.3372, 0.1373
CMYK	0.48, 0.23, 0.00, 0.14
HSL	209°, 60%, 66%
HSV	209°, 48%, 86%
XYZ	34.1765, 37.1881, 73.0869
YIQ	158.6680, -48.5550, 4.4130

# Conversions

## Conversions Part 2

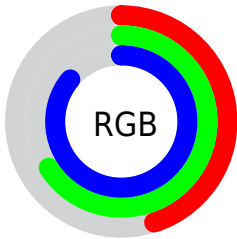
<b>Format</b>	<b>Color</b>
<b>RYB</b>	115, 151, 220
Decimal	7580124
CIELab	67.42, -4.01, -31.29
CIELCh	67, 31.547, 262.696
Yxy	37.1881, 0.2366, 0.2574
Android (android.graphics.Color)	4285770204 (0xFF73A9DC)
YUV	158.6680, 30.2367, -38.2968
Hunter-Lab	60.9820, -6.6809, -28.3716

# Details

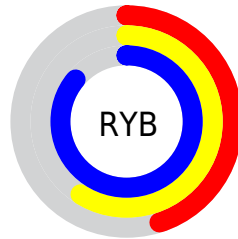
The XYZ color **34.1765, 37.1881, 73.0869** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **46.2471, 43.7274, 22.2239**, and the grayscale version is **32.6866, 34.3889, 37.4495**.

A 20% lighter version of the original color is **61.7189, 69.3020, 104.7314**, and **14.8402, 16.3090, 37.9631** is the 20% darker color. If you saturate the color by 10%, you get **29.7141, 32.0567, 72.3323**, and if you desaturate by 10%, it is **39.4942, 43.0030, 73.9297**.

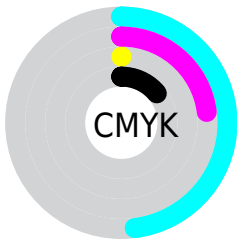
# Distribution



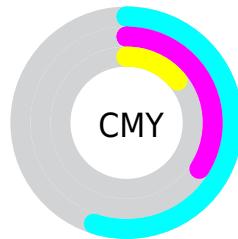
- Red (45%)
- Green (66%)
- Blue (86%)



- Red (45%)
- Yellow (59%)
- Blue (86%)



- Cyan (48%)
- Magenta (23%)
- Yellow (0%)
- Black (14%)



- Cyan (55%)
- Magenta (34%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1765, 37.1881, 73.0869 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 34.1765, 37.1881, 73.0869 by changing the saturation by 10% instead.



■ 34.1765, 37.1881,  
73.0869

■ 34.1765, 37.1881,  
73.0869

312.4904,  
334.1242, 490.3948

■ 23.1928, 25.3532,  
53.5548

■ 65.5505, 70.8620,  
125.3226

■ 14.8574, 16.3404,  
37.8551

■ 86.6715, 93.4697,  
158.8633

■ 8.8050, 9.7653,  
25.5693

■ 111.9023,  
120.4372, 197.9106

■ 4.6703, 5.2436,  
16.2788

141.6082,  
152.1488, 242.8830

■ 2.0879, 2.3909,  
9.5652

176.1546,  
188.9889, 294.1991

■ 0.6826, 0.8212,  
5.0098

215.9069,

■ 0.0000, 0.0000,

231.3419, 352.2774

2.1942

261.2304,  
279.5922, 417.5364

■ 0.0000, 0.0000,  
0.6710

■ 0.0000, 0.0000,  
0.0000

■ 34.1765, 37.1881,  
73.0869

■ 34.1765, 37.1881,  
73.0869

■ 29.7141, 32.0567,  
72.3323

■ 39.4942, 43.0030,  
73.9297

■ 26.0494, 27.5714,  
71.6597

■ 45.7121, 49.5281,  
74.8615

■ 23.1231, 23.6962,  
71.0660

■ 52.8764, 56.7931,  
75.8861

■ 20.8646, 20.3886,  
70.5466

■ 61.0285, 64.8247,  
77.0067

■ 19.1774, 17.5924,  
70.0958

■ 70.2076, 73.6480,  
78.2260

■ 18.8395, 17.0095,  
70.0011

■ 80.4504, 83.2870,  
79.5467

■ 86.4500, 91.0105,  
80.7212

■ 89.7557, 97.6219,  
81.8231

■ 89.9184, 97.9474,  
81.8774

# Harmonies

## Analogous

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



30.0023, 37.1881, 65.5983



34.1765, 37.1881, 73.0869



39.0587, 37.1881, 70.3828

# Triad

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



34.1765, 37.1881, 73.0869



44.6428, 37.1881, 31.0565



28.4503, 37.1881, 26.3951

# Complementary

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



34.1765, 37.1881, 73.0869



46.2471, 43.7274, 22.2239

# 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.



31.8766, 37.1881, 20.5488



34.1765, 37.1881, 73.0869



41.2897, 37.1881, 22.7802

# Square

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



34.1765, 37.1881, 73.0869



45.4006, 37.1881, 43.9744



36.5422, 37.1881, 19.3959



26.8979, 37.1881, 37.1976



# Rectangle

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



34.1765, 37.1881, 73.0869



42.0378, 37.1881, 63.4010



36.5422, 37.1881, 19.3959



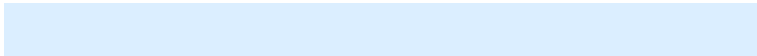
29.4053, 37.1881, 23.8959

# Sweetspot

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



34.1778, 37.1895, 73.0878



77.8294, 83.2779, 106.5799



39.5247, 57.5762, 44.9879



16.1446, 17.3149, 22.7412



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.



34.1778, 37.1895, 73.0878



41.6609, 44.9605, 101.0902



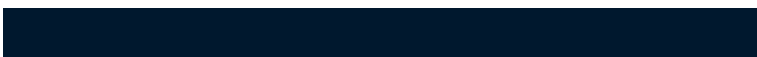
26.3221, 21.4781, 70.4692



12.8897, 13.7191, 16.6208



11.1687, 10.2069, 41.1199



0.8097, 0.8336, 2.6927



# Inverse Universe

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



42.8085, 30.3431, 41.1380



55.4721, 35.8140, 49.5573



57.7469, 66.7269, 26.0571



13.3342, 13.1628, 15.0211



19.1328, 9.6542, 10.3452

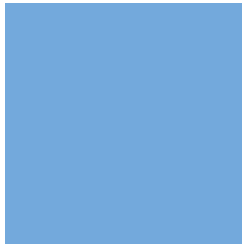


1.2830, 0.6428, 0.8993



# Previews

## White Background



This preview shows how the XYZ color 34.1765, 37.1881, 73.0869 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

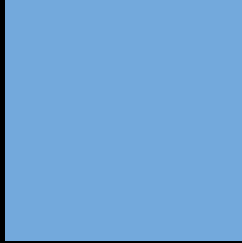
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.1765, 37.1881, 73.0869 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 34.1765, 37.1881, 73.0869**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.1765, 37.1881, 73.0869.



This preview shows how white text looks on a background with the XYZ color 34.1765, 37.1881,



# 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

34.1765, 37.1881, 73.0869

### Protanopia

37.4524, 37.0853, 68.8025

### Deuteranopia

37.9623, 36.9667, 74.2417



## Tritanopia

30.3410, 37.3373, 53.7518

# Trichromacy



## Original Color

34.1765, 37.1881, 73.0869

## Protanomaly

36.1663, 37.1865, 70.2373

## Deuteranomaly

36.3183, 36.9223, 73.6191

## Tritanomaly

31.6756, 37.3085, 60.1754

# Monochromacy



## Original Color

34.1765, 37.1881, 73.0869

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

32.7654, 35.3702, 48.8163

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.1765, 37.1881, 73.0869 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(115, 169, 220)` looks like.

```
.text, #text, p{  
    color:rgb(115, 169, 220)  
}
```

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(115, 169, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 169, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 34.1765, 37.1881, 73.0869 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(115, 169, 220) }
```



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

```
.border{ border-color:rgb(115, 169, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 169, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 169, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 169, 220);  
box-shadow:4px 4px 4px 4px rgb(115, 169,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.1765, 37.1881, 73.0869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 169, 220) }
```

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

```
.background{ background-color: rgb(115,  
169, 220) }
```

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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