

Converting Colors

XYZ(34.6313, 37.9030, 77.5892)

Have a look what the booklet for
XYZ(34.6313, 37.9030, 77.5892)
contains.

XYZ(34.5971, 37.8680, 77.4373)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.5971, 37.8680,
77.4373)**

Conversions

Conversions Part 1

Format	Color
Hex	6DABE2
RGB	109, 171, 226
RGB Percent	43%, 67%, 89%
CMY	0.5725, 0.3294, 0.1137
CMYK	0.52, 0.24, 0.00, 0.11
HSL	208°, 67%, 66%
HSV	208°, 52%, 89%
XYZ	34.5971, 37.8680, 77.4373
YIQ	158.7320, -54.6070, 3.9610

Conversions

Conversions Part 2

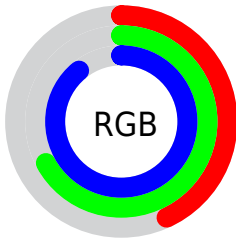
Format	Color
R _Y B	109, 150, 226
Decimal	7187426
CIE Lab	67.92, -4.74, -33.83
CIE LCh	68, 34.157, 262.030
Yxy	37.8680, 0.2308, 0.2526
Android (android.graphics.Color)	4285377506 (0xFF6DABE2)
YUV	158.7320, 33.1631, -43.6150
Hunter-Lab	61.5370, -7.3341, -31.5338

Details

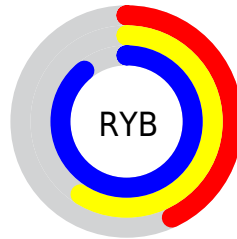
The XYZ color **34.5971, 37.8680, 77.4373** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **47.4013, 43.8258, 20.4306**, and the grayscale version is **32.7049, 34.4081, 37.4704**.

A 20% lighter version of the original color is **61.1827, 69.8282, 104.8613**, and **15.0714, 16.7243, 40.4640** is the 20% darker color. If you saturate the color by 10%, you get **30.2393, 32.7618, 76.6821**, and if you desaturate by 10%, it is **39.8334, 43.6680, 78.2816**.

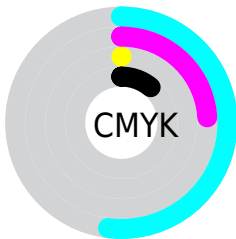
Distribution



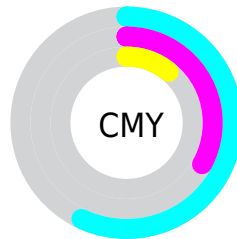
- Red (43%)
- Green (67%)
- Blue (89%)



- Red (43%)
- Yellow (59%)
- Blue (89%)



- Cyan (52%)
- Magenta (24%)
- Yellow (0%)
- Black (11%)



- Cyan (57%)
- Magenta (33%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5971, 37.8680, 77.4373 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 34.5971, 37.8680, 77.4373 by changing the saturation by 10% instead.

■ 34.5971, 37.8680,
77.4373

■ 34.5971, 37.8680,
77.4373

314.3256,
337.0534, 505.7309

■ 23.5177, 25.8803,
57.0982

■ 66.1993, 71.9058,
131.5352

■ 15.0991, 16.7341,
40.6742

■ 87.4528, 94.7246,
166.1311

■ 8.9757, 10.0451,
27.7468

■ 112.8285,
121.9226, 206.3163

■ 4.7823, 5.4289,
17.8975

142.6916,
153.8841, 252.5093

■ 2.1536, 2.5010,
10.7077

177.4075,
190.9935, 305.1288

■ 0.7181, 0.8771,
5.7590

217.3415,

■ 0.0000, 0.0000,

233.6353, 364.5932

2.6327

262.8591,
282.1938, 431.3210

■ 0.0000, 0.0000,
0.9093

■ 0.0000, 0.0000,
0.0000

■ 34.5971, 37.8680,
77.4373

■ 34.5971, 37.8680,
77.4373

■ 30.2393, 32.7618,
76.6821

■ 39.8334, 43.6680,
78.2816

■ 26.6965, 28.3088,
76.0093

■ 45.9981, 50.1908,
79.2157

■ 23.9017, 24.4696,
75.4156

■ 53.1414, 57.4683,
80.2439

■ 21.7738, 21.1962,
74.8959

■ 61.3088, 65.5288,
81.3692

■ 20.4152, 18.8662,
74.5178

■ 70.5426, 74.3993,
82.5947

■ 80.8828, 84.1050,
83.9231

■ 87.7325, 92.2809,
85.1402

■ 90.7276, 98.2710,
86.1386

Harmonies

Analogous

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



30.0768, 37.8680, 68.8008



34.5971, 37.8680, 77.4373



39.9538, 37.8680, 74.6554

Triad

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



34.5971, 37.8680, 77.4373



46.2953, 37.8680, 31.2203



28.5382, 37.8680, 25.7494

Complementary

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



34.5971, 37.8680, 77.4373



47.4013, 43.8258, 20.4306

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.



32.3019, 37.8680, 19.6549



34.5971, 37.8680, 77.4373



42.6369, 37.8680, 22.2305

Square

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



34.5971, 37.8680, 77.4373



47.0634, 37.8680, 45.4146



37.4247, 37.8680, 18.5475



26.8099, 37.8680, 37.3141

Rectangle

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



34.5971, 37.8680, 77.4373



43.2593, 37.8680, 66.9471



37.4247, 37.8680, 18.5475



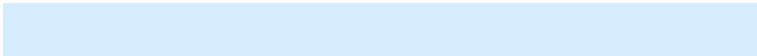
29.5886, 37.8680, 23.1230

Sweetspot

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



34.5984, 37.8694, 77.4382



75.7837, 81.4337, 106.3318



40.1692, 60.3109, 44.4587



15.7469, 16.9618, 22.6940



0.0000, 0.0000, 0.0000



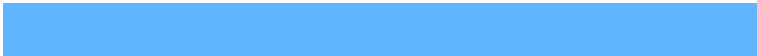
20.3446, 21.4041, 23.3091

Same Dimension

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



34.5984, 37.8694, 77.4382



39.4276, 42.6729, 100.7664



25.9297, 20.5319, 74.5486



13.5503, 14.4397, 17.4607



11.7667, 11.0030, 42.5520



0.9051, 0.9416, 2.9793

Inverse Universe

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



44.1846, 30.0479, 42.0003



53.8130, 33.1139, 47.0985



60.2731, 69.5695, 24.7212



14.0092, 13.8213, 15.8188



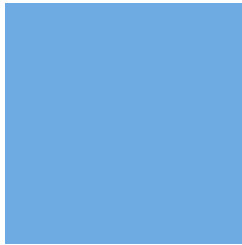
19.8795, 10.0188, 11.2971



1.4231, 0.7125, 1.0208

Previews

White Background



This preview shows how the XYZ color 34.5971, 37.8680, 77.4373 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 34.5971, 37.8680, 77.4373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

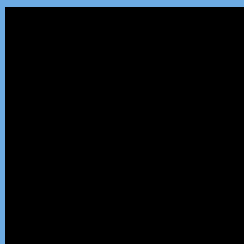
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

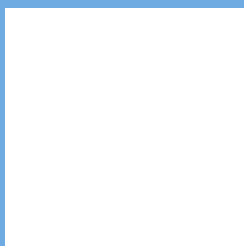
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.5971, 37.8680, 77.4373

Background



This preview shows how black text looks on a background with the XYZ color 34.5971, 37.8680, 77.4373.

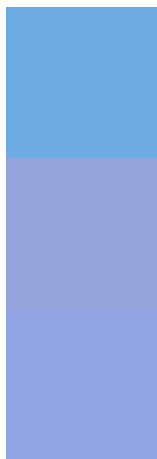


This preview shows how white text looks on a background with the XYZ color 34.5971, 37.8680,

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

34.5971, 37.8680, 77.4373

Protanopia

38.4099, 37.7513, 72.9724

Deuteranopia

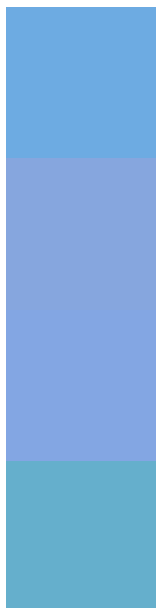
38.6024, 37.7251, 78.6459



Tritanopia

30.1663, 37.7914, 55.5737

Trichromacy



Original Color

34.5971, 37.8680, 77.4373

Protanomaly

36.6526, 37.6147, 74.4358

Deuteranomaly

36.8614, 37.6438, 77.9962

Tritanomaly

31.5959, 37.7863, 62.7549

Monochromacy



Original Color

34.5971, 37.8680, 77.4373

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.6289, 35.2760, 49.8890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5971, 37.8680, 77.4373 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(109, 171, 226)` looks like.

```
.text, #text, p{  
    color:rgb(109, 171, 226)  
}
```

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(109, 171, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 171, 226) }
```

Border

The CSS property to change the border of an element to XYZ 34.5971, 37.8680, 77.4373 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(109, 171, 226) }
```


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

```
.border{ border-color:rgb(109, 171, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 171, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 171, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 171, 226); box-shadow:4px 4px 4px 4px rgb(109, 171, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5971, 37.8680, 77.4373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 171, 226) }
```

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

```
.background{ background-color: rgb(109,  
171, 226) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor