

Converting Colors

XYZ(34.5839, 37.8771, 76.7224)

Have a look what the booklet for
XYZ(34.5839, 37.8771, 76.7224)
contains.

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Color

**XYZ(34.5839, 37.8771,
76.7224)**

Conversions

Conversions Part 1

Format	Color
Hex	6EABE1
RGB	110, 171, 225
RGB Percent	43%, 67%, 88%
CMY	0.5686, 0.3294, 0.1176
CMYK	0.51, 0.24, 0.00, 0.12
HSL	208°, 66%, 66%
HSV	208°, 51%, 88%
XYZ	34.5839, 37.8771, 76.7224
YIQ	158.9170, -53.6900, 3.8620

Conversions

Conversions Part 2

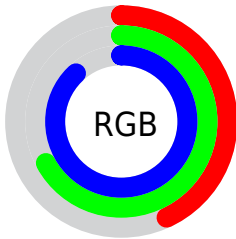
Format	Color
R_{YB}	110, 150, 225
Decimal	7252961
CIE _{Lab}	67.93, -4.81, -33.26
CIE _{LCh}	68, 33.611, 261.771
Yxy	37.8771, 0.2318, 0.2539
Android (android.graphics.Color)	4285443041 (0xFF6EABE1)
YUV	158.9170, 32.5789, -42.9002
Hunter-Lab	61.5444, -7.3974, -30.8310

Details

The XYZ color **34.5839, 37.8771, 76.7224** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **47.1424, 43.6856, 20.7007**, and the grayscale version is **32.7914, 34.4991, 37.5695**.

A 20% lighter version of the original color is **61.1827, 69.8282, 104.8613**, and **15.0249, 16.7112, 39.9698** is the 20% darker color. If you saturate the color by 10%, you get **30.2153, 32.7805, 75.9696**, and if you desaturate by 10%, it is **39.8253, 43.6619, 77.5634**.

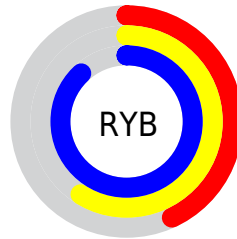
Distribution



Red (43%)

Green (67%)

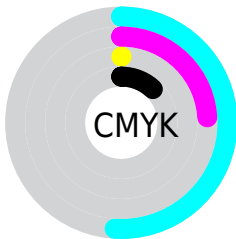
Blue (88%)



Red (43%)

Yellow (59%)

Blue (88%)

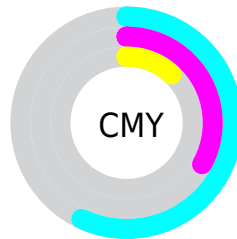


Cyan (51%)

Magenta (24%)

Yellow (0%)

Black (12%)



Cyan (57%)

Magenta (33%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5839, 37.8771, 76.7224 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 34.5839, 37.8771, 76.7224 by changing the saturation by 10% instead.

■ 34.5839, 37.8771,
76.7224

■ 34.5839, 37.8771,
76.7224

314.2681,
337.0925, 503.2295

■ 23.5075, 25.8873,
56.5149

■ 66.1789, 71.9197,
130.5170

■ 15.0915, 16.7394,
40.2091

■ 87.4283, 94.7414,
164.9411

■ 8.9703, 10.0488,
27.3866

■ 112.7994,
121.9424, 204.9412

■ 4.7788, 5.4313,
17.6288

142.6576,
153.9072, 250.9357

■ 2.1515, 2.5025,
10.5171

177.3682,
191.0203, 303.3433

■ 0.7170, 0.8779,
5.6331

217.2966,

■ 0.0000, 0.0000,

233.6659, 362.5824

2.5581

262.8081,
282.2285, 429.0716

■ 0.0000, 0.0000,
0.8707

■ 0.0000, 0.0000,
0.0000

■ 34.5839, 37.8771,
76.7224

■ 34.5839, 37.8771,
76.7224

■ 30.2153, 32.7805,
75.9696

■ 39.8253, 43.6619,
77.5634

■ 26.6570, 28.3322,
75.2986

■ 45.9882, 50.1632,
78.4935

■ 23.8435, 24.4935,
74.7059

■ 53.1223, 57.4125,
79.5167

■ 21.6956, 21.2176,
74.1868

■ 61.2722, 65.4377,
80.6362

■ 20.2291, 18.7130,
73.7807

■ 70.4797, 74.2653,
81.8548

■ 80.7841, 83.9202,
83.1753

■ 87.4710, 91.9767,
84.3779

■ 90.5907, 98.2163,
85.4179

Harmonies

Analogous

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



30.1419, 37.8771, 68.1858



34.5839, 37.8771, 76.7224



39.8525, 37.8771, 74.0999

Triad

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



34.5839, 37.8771, 76.7224



46.1468, 37.8771, 31.4748



28.6799, 37.8771, 25.8924

Complementary

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



34.5839, 37.8771, 76.7224



47.1424, 43.6856, 20.7007

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.



32.4061, 37.8771, 19.8967



34.5839, 37.8771, 76.7224



42.5741, 37.8771, 22.5355

Square

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



34.5839, 37.8771, 76.7224



46.8732, 37.8771, 45.4930



37.4564, 37.8771, 18.8372



26.9552, 37.8771, 37.2639

Rectangle

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



34.5839, 37.8771, 76.7224



43.1077, 37.8771, 66.6016



37.4564, 37.8771, 18.8372



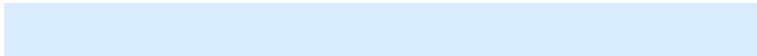
29.7218, 37.8771, 23.3074

Sweetspot

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



34.5852, 37.8785, 76.7233



76.8865, 82.5245, 106.4842



40.0275, 59.8347, 44.4054



15.9655, 17.1797, 22.7245



0.0000, 0.0000, 0.0000



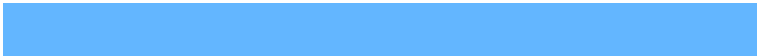
20.3446, 21.4041, 23.3091

Same Dimension

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



34.5852, 37.8785, 76.7233



39.9645, 43.3372, 100.8663



26.0208, 20.7497, 73.8685



13.5509, 14.4410, 17.4609



11.7749, 11.0194, 42.5547



0.9056, 0.9427, 2.9795

Inverse Universe

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



43.9791, 30.1010, 42.0216



54.1839, 33.6449, 47.8721



59.7672, 68.9352, 24.9090



14.0095, 13.8215, 15.8204



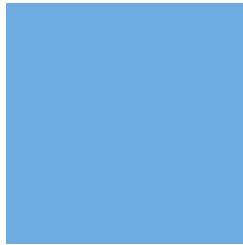
19.8836, 10.0205, 11.3189



1.4234, 0.7126, 1.0223

Previews

White Background



This preview shows how the XYZ color 34.5839, 37.8771, 76.7224 looks on a white background.

Color Contrast Check

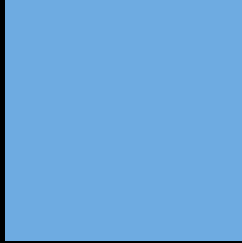
Large Text (above 18pt) WCAG AA × Fail

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 34.5839, 37.8771, 76.7224 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 34.5839, 37.8771, 76.7224

Background



This preview shows how black text looks on a background with the XYZ color 34.5839, 37.8771, 76.7224.

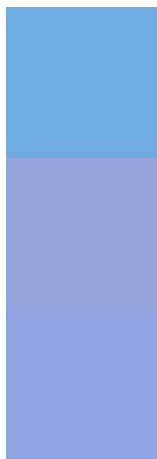


This preview shows how white text looks on a background with the XYZ color 34.5839, 37.8771,

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

34.5839, 37.8771, 76.7224

Protanopia

38.2778, 37.6984, 72.2769

Deuteranopia

38.6394, 37.7602, 77.9250



Tritanopia

30.2717, 37.8585, 55.0022

Trichromacy



Original Color

34.5839, 37.8771, 76.7224

Protanomaly

36.6790, 37.6438, 73.7394

Deuteranomaly

36.8794, 37.6690, 77.2786

Tritanomaly

31.7030, 37.8553, 62.1358

Monochromacy



Original Color

34.5839, 37.8771, 76.7224

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 34.5839, 37.8771, 76.7224 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(110, 171, 225)` looks like.

```
.text, #text, p{  
    color:rgb(110, 171, 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(110, 171, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 171, 225) }
```

Border

The CSS property to change the border of an element to XYZ 34.5839, 37.8771, 76.7224 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(110, 171, 225) }
```


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

```
.border{ border-color:rgb(110, 171, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 171, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 171, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 171, 225);  
box-shadow:4px 4px 4px 4px rgb(110, 171,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5839, 37.8771, 76.7224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 171, 225) }
```

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

```
.background{ background-color: rgb(110,  
171, 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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