

Converting Colors

XYZ(37.3581, 40.4192, 78.0276)

Have a look what the booklet for
XYZ(37.3581, 40.4192, 78.0276)
contains.

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Color

**XYZ(37.3696, 40.4360,
77.7868)**

Conversions

Conversions Part 1

Format	Color
Hex	7CAFE2
RGB	124, 175, 226
RGB Percent	49%, 69%, 89%
CMY	0.5137, 0.3137, 0.1137
CMYK	0.45, 0.23, 0.00, 0.11
HSL	210°, 64%, 69%
HSV	210°, 45%, 89%
XYZ	37.3696, 40.4360, 77.7868
YIQ	165.5650, -46.7670, 5.0490

Conversions

Conversions Part 2

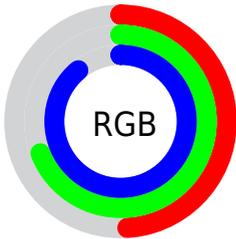
Format	Color
RYB	124, 158, 226
Decimal	8171490
CIELab	69.78, -3.44, -30.90
CIElCh	70, 31.087, 263.642
Yxy	40.4360, 0.2402, 0.2599
Android (android.graphics.Color)	4286361570 (0xFF7CAFE2)
YUV	165.5650, 29.7945, -36.4525
Hunter-Lab	63.5893, -6.3820, -28.0151

Details

The XYZ color **37.3696, 40.4360, 77.7868** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **50.3332, 48.2852, 25.7374**, and the grayscale version is **35.9140, 37.7844, 41.1472**.

A 20% lighter version of the original color is **65.1692, 73.5169, 105.3631**, and **16.7226, 18.2971, 40.6805** is the 20% darker color. If you saturate the color by 10%, you get **32.3622, 34.7258, 76.9493**, and if you desaturate by 10%, it is **43.3122, 46.9032, 78.7226**.

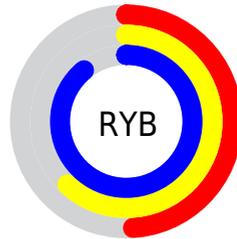
Distribution



Red (49%)

Green (69%)

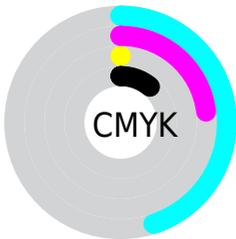
Blue (89%)



Red (49%)

Yellow (62%)

Blue (89%)

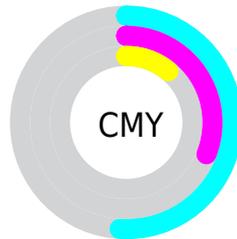


Cyan (45%)

Magenta (23%)

Yellow (0%)

Black (11%)



Cyan (51%)

Magenta (31%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3696, 40.4360, 77.7868 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 37.3696, 40.4360, 77.7868 by changing the saturation by 10% instead.

■ 37.3696, 40.4360,
77.7868

■ 37.3696, 40.4360,
77.7868

326.2357,
347.9578, 506.9512

■ 25.6688, 27.8787,
57.3834

■ 70.4510, 75.8270,
132.0327

■ 16.7074, 18.2342,
40.9018

■ 92.5623, 99.4294,
166.7123

■ 10.1201, 11.1183,
27.9232

■ 118.8745,
127.4823, 206.9877

■ 5.5415, 6.1464,
18.0292

149.7529,
160.3701, 253.2775

■ 2.6064, 2.9343,
10.8013

185.5628,
198.4771, 306.0002

■ 0.9492, 1.0975,
5.8209

226.6697,

■ 0.0000, 0.0000,

242.1878, 365.5744

2.6695

273.4389,
291.8866, 432.4185

■ 0.0000, 0.0000,
0.9280

■ 0.0000, 0.0000,
0.0000

■ 37.3696, 40.4360,
77.7868

■ 37.3696, 40.4360,
77.7868

■ 32.3622, 34.7258,
76.9493

■ 43.3122, 46.9032,
78.7226

■ 28.2295, 29.7324,
76.2033

■ 50.2372, 54.1556,
79.7575

■ 24.9100, 25.4178,
75.5454

■ 58.1931, 62.2253,
80.8958

■ 22.3307, 21.7373,
74.9710

■ 67.2240, 71.1412,
82.1407

■ 20.4035, 18.6378,
74.4743

■ 77.3712, 80.9302,
83.4954

■ 19.6328, 17.3015,
74.2570

■ 86.9593, 90.7344,
84.8824

■ 90.4421, 97.7001,
86.0434

■ 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.



32.9678, 40.4360, 70.3854



37.3696, 40.4360, 77.7868



42.4534, 40.4360, 74.6733

Triad

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



37.3696, 40.4360, 77.7868



48.0155, 40.4360, 33.8062



31.1428, 40.4360, 29.5345

Complementary

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



37.3696, 40.4360, 77.7868



50.3332, 48.2852, 25.7374

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.



34.6752, 40.4360, 23.1774



37.3696, 40.4360, 77.7868



44.4715, 40.4360, 25.2403

Square

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



37.3696, 40.4360, 77.7868



48.8954, 40.4360, 47.1747



39.5168, 40.4360, 21.7978



29.5812, 40.4360, 41.0243

Rectangle

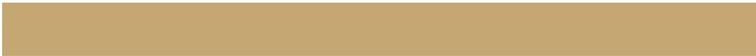
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.3696, 40.4360, 77.7868



45.5195, 40.4360, 67.3309



39.5168, 40.4360, 21.7978



32.1234, 40.4360, 26.8374

Sweetspot

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



37.3710, 40.4375, 77.7878



77.6814, 82.9819, 106.5306



43.0816, 61.7075, 49.3291



16.1086, 17.2429, 22.7292



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.



37.3710, 40.4375, 77.7878



43.0170, 46.2038, 101.2587



29.4636, 24.6227, 75.1520



13.5154, 14.3700, 17.4490



11.3192, 10.1080, 42.4028



0.8741, 0.8797, 2.9690

Inverse Universe

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



46.3107, 33.6806, 44.6191



56.5152, 37.6042, 50.8177



61.7393, 71.0975, 29.5395



13.9916, 13.8143, 15.7261



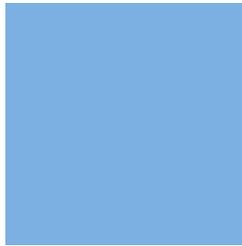
19.6536, 9.9284, 10.1076



1.4075, 0.7063, 0.9386

Previews

White Background



This preview shows how the XYZ color 37.3696, 40.4360, 77.7868 looks on a white background.

Color Contrast Check

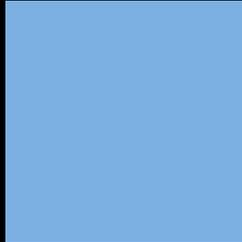
Large Text (above 18pt) WCAG AA × Fail

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 37.3696, 40.4360, 77.7868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

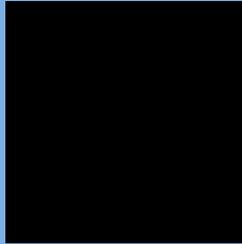
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.3696, 40.4360, 77.7868

Background



This preview shows how black text looks on a background with the XYZ color 37.3696, 40.4360, 77.7868.



This preview shows how white text looks on a background with the XYZ color 37.3696, 40.4360,

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

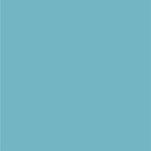
37.3696, 40.4360, 77.7868

Protanopia

40.7641, 40.2936, 74.0356

Deuteranopia

41.1487, 40.1089, 78.9718



Tritanopia

33.4444, 40.6327, 57.7099

Trichromacy



Original Color

37.3696, 40.4360, 77.7868

Protanomaly

39.3838, 40.3828, 75.5310

Deuteranomaly

39.5675, 40.1351, 78.3345

Tritanomaly

34.7319, 40.5480, 64.3885

Monochromacy



Original Color

37.3696, 40.4360, 77.7868

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.0276, 38.5861, 53.1260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3696, 40.4360, 77.7868 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(124, 175, 226)` looks like.

```
.text, #text, p{  
    color:rgb(124, 175, 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(124, 175, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 175, 226) }
```

Border

The CSS property to change the border of an element to XYZ 37.3696, 40.4360, 77.7868 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(124, 175, 226) }
```

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

```
.border{ border-color:rgb(124, 175, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 175, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 175, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 175, 226);  
box-shadow:4px 4px 4px 4px rgb(124, 175,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3696, 40.4360, 77.7868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 175, 226) }
```

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

```
.background{ background-color: rgb(124,  
175, 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](#).

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