

Converting Colors

XYZ(37.6852, 40.3622, 80.9717)

Have a look what the booklet for
XYZ(37.6852, 40.3622, 80.9717)
contains.

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Color

**XYZ(37.5874, 40.1962,
80.6405)**

Conversions

Conversions Part 1

Format	Color
Hex	7BAEE6
RGB	123, 174, 230
RGB Percent	48%, 68%, 90%
CMY	0.5176, 0.3176, 0.0980
CMYK	0.47, 0.24, 0.00, 0.10
HSL	211°, 68%, 69%
HSV	211°, 47%, 90%
XYZ	37.5874, 40.1962, 80.6405
YIQ	165.1350, -48.3720, 6.6040

Conversions

Conversions Part 2

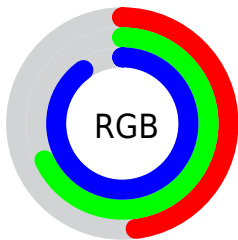
Format	Color
R _Y B	123, 158, 230
Decimal	8105702
CIE Lab	69.61, -2.00, -33.35
CIE LCh	70, 33.409, 266.568
Yxy	40.1962, 0.2373, 0.2537
Android (android.graphics.Color)	4286295782 (0xFF7BAEE6)
YUV	165.1350, 31.9784, -36.9524
Hunter-Lab	63.4005, -5.1259, -31.0320

Details

The XYZ color **37.5874, 40.1962, 80.6405** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **52.3298, 50.4951, 25.7291**, and the grayscale version is **35.6982, 37.5573, 40.8999**.

A 20% lighter version of the original color is **64.8917, 72.9619, 105.2706**, and **16.8463, 18.1333, 42.6566** is the 20% darker color. If you saturate the color by 10%, you get **32.4534, 34.2512, 79.7643**, and if you desaturate by 10%, it is **43.7055, 46.9595, 81.6242**.

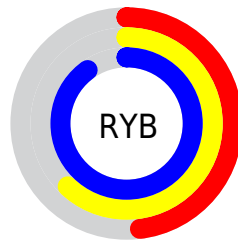
Distribution



Red (48%)

Green (68%)

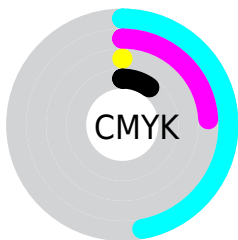
Blue (90%)



Red (48%)

Yellow (62%)

Blue (90%)

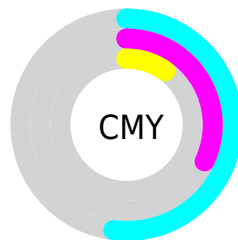


Cyan (47%)

Magenta (24%)

Yellow (0%)

Black (10%)



Cyan (52%)

Magenta (32%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5874, 40.1962, 80.6405 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 37.5874, 40.1962, 80.6405 by changing the saturation by 10% instead.

■ 37.5874, 40.1962,
80.6405

■ 37.5874, 40.1962,
80.6405

327.1582,
346.9498, 516.8523

■ 25.8384, 27.6916,
59.7163

■ 70.7833, 75.4622,
136.0854

■ 16.8348, 18.0933,
42.7662

■ 92.9608, 98.9923,
171.4432

■ 10.2114, 11.0170,
29.3717

■ 119.3453,
126.9664, 212.4492

■ 5.6027, 6.0783,
19.1142

150.3020,
159.7688, 259.5220

■ 2.6434, 2.8927,
11.5752

186.1962,
197.7840, 313.0802

■ 0.9681, 1.0760,
6.3361

227.3935,

■ 0.0000, 0.0000,

241.3963, 373.5423

2.9784

274.2590,
290.9901, 441.3268

■ 0.0000, 0.0000,
1.0836

■ 0.0000, 0.0000,
0.0000

■ 37.5874, 40.1962,
80.6405

■ 37.5874, 40.1962,
80.6405

■ 32.4534, 34.2512,
79.7643

■ 43.7055, 46.9595,
81.6242

■ 28.2388, 29.0808,
78.9885

■ 50.8583, 54.5726,
82.7167

■ 24.8774, 24.6430,
78.3091

■ 59.0978, 63.0706,
83.9227

■ 22.2903, 20.8886,
77.7207

■ 68.4710, 72.4850,
85.2459

■ 20.3797, 17.7578,
77.2171

■ 79.0220, 82.8456,
86.6896

■ 19.8187, 16.7844,
77.0588

■ 88.5483, 93.0236,
88.1520

■ 91.2831, 98.4932,
89.0636

Harmonies

Analogous

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



32.7684, 40.1962, 73.5488



37.5874, 40.1962, 80.6405



43.0370, 40.1962, 76.0924

Triad

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



37.5874, 40.1962, 80.6405



48.2585, 40.1962, 31.7748



30.1830, 40.1962, 29.3500

Complementary

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



37.5874, 40.1962, 80.6405



52.3298, 50.4951, 25.7291

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.



33.7494, 40.1962, 22.2037



37.5874, 40.1962, 80.6405



44.2125, 40.1962, 23.3548

Square

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



37.5874, 40.1962, 80.6405



49.5282, 40.1962, 45.5702



38.8299, 40.1962, 20.2987



28.7547, 40.1962, 42.0116

Rectangle

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



37.5874, 40.1962, 80.6405



46.2474, 40.1962, 67.5431



38.8299, 40.1962, 20.2987



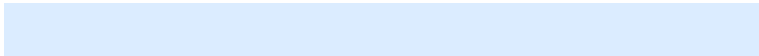
31.1541, 40.1962, 26.3494

Sweetspot

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



37.5888, 40.1977, 80.6415



77.4402, 82.4995, 106.4502



44.5309, 64.0314, 52.2827



16.0499, 17.1256, 22.7096



0.0000, 0.0000, 0.0000



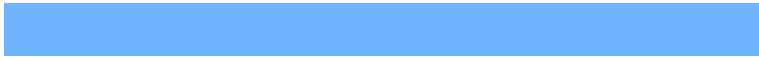
20.3446, 21.4041, 23.3091

Same Dimension

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



37.5888, 40.1977, 80.6415



41.1319, 43.4266, 100.8220



29.7933, 24.2245, 77.9692



14.1467, 15.0147, 18.2969



11.3409, 9.7438, 43.6662



0.9306, 0.9051, 3.2576

Inverse Universe

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



47.3573, 34.0465, 44.1214



55.3213, 36.1985, 47.3917



63.9366, 74.5540, 29.7612



14.6616, 14.4818, 16.4185



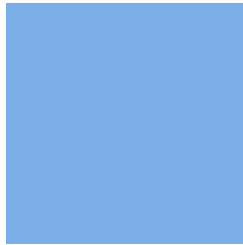
20.1178, 10.1814, 9.5155



1.5333, 0.7710, 0.9491

Previews

White Background



This preview shows how the XYZ color 37.5874, 40.1962, 80.6405 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 37.5874, 40.1962, 80.6405 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

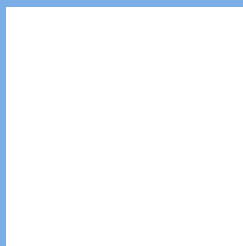
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.5874, 40.1962, 80.6405

Background



This preview shows how black text looks on a background with the XYZ color 37.5874, 40.1962, 80.6405.



This preview shows how white text looks on a background with the XYZ color 37.5874, 40.1962,

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

37.5874, 40.1962, 80.6405

Protanopia

40.5462, 39.8460, 76.7882

Deuteranopia

40.8202, 39.8910, 81.1496



Tritanopia

32.9816, 40.0934, 57.6302

Trichromacy



Original Color

37.5874, 40.1962, 80.6405

Protanomaly

39.3952, 40.0463, 78.3264

Deuteranomaly

39.6137, 40.0944, 81.2524

Tritanomaly

34.6417, 40.1768, 65.6036

Monochromacy



Original Color

37.5874, 40.1962, 80.6405

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.7656, 38.1634, 53.6253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5874, 40.1962, 80.6405 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(123, 174, 230)` looks like.

```
.text, #text, p{  
    color:rgb(123, 174, 230)  
}
```

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(123, 174, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 174, 230) }
```

Border

The CSS property to change the border of an element to XYZ 37.5874, 40.1962, 80.6405 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(123, 174, 230) }
```


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

```
.border{ border-color:rgb(123, 174, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 174, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 174, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 174, 230);  
box-shadow:4px 4px 4px 4px rgb(123, 174,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5874, 40.1962, 80.6405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 174, 230) }
```

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

```
.background{ background-color: rgb(123,  
174, 230) }
```

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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