

Converting Colors

XYZ(37.3614, 38.7860, 85.0865)

Have a look what the booklet for
XYZ(37.3614, 38.7860, 85.0865)
contains.

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Color

**XYZ(37.4002, 38.8705,
84.8884)**

Conversions

Conversions Part 1

Format	Color
Hex	79AAEC
RGB	121, 170, 236
RGB Percent	47%, 67%, 93%
CMY	0.5255, 0.3333, 0.0745
CMYK	0.49, 0.28, 0.00, 0.07
HSL	214°, 75%, 70%
HSV	214°, 49%, 93%
XYZ	37.4002, 38.8705, 84.8884
YIQ	162.8730, -50.3900, 10.1380

Conversions

Conversions Part 2

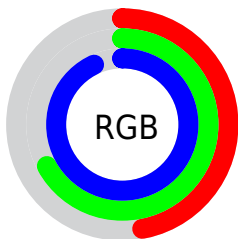
Format	Color
RYB	121, 155, 236
Decimal	7973612
CIELab	68.66, 1.49, -38.11
CIELCh	69, 38.142, 272.241
Yxy	38.8705, 0.2321, 0.2412
Android (android.graphics.Color)	4286163692 (0xFF79AAEC)
YUV	162.8730, 36.0516, -36.7226
Hunter-Lab	62.3462, -2.0274, -37.0848

Details

The XYZ color **37.4002, 38.8705, 84.8884** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **55.8150, 54.7559, 25.7181**, and the grayscale version is **34.6065, 36.4087, 39.6491**.

A 20% lighter version of the original color is **63.3353, 70.5354, 104.8843**, and **16.7033, 17.2763, 45.6343** is the 20% darker color. If you saturate the color by 10%, you get **32.0790, 32.5508, 83.9498**, and if you desaturate by 10%, it is **43.7947, 46.1333, 85.9540**.

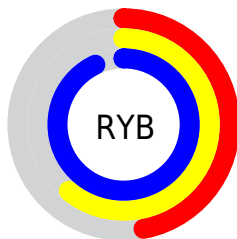
Distribution



Red (47%)

Green (67%)

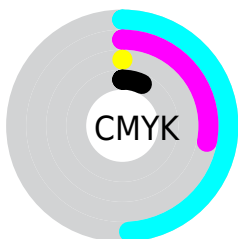
Blue (93%)



Red (47%)

Yellow (61%)

Blue (93%)

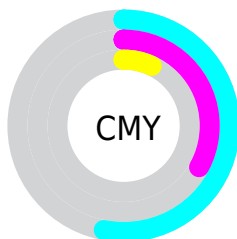


Cyan (49%)

Magenta (28%)

Yellow (0%)

Black (7%)



Cyan (53%)

Magenta (33%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4002, 38.8705, 84.8884 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 37.4002, 38.8705, 84.8884 by changing the saturation by 10% instead.

■ 37.4002, 38.8705,
84.8884

■ 37.4002, 38.8705,
84.8884

326.3655,
341.3396, 531.3937

■ 25.6926, 26.6590,
63.1996

■ 70.4977, 73.4404,
142.0900

■ 16.7253, 17.3173,
45.5606

■ 92.6183, 96.5677,
178.4399

■ 10.1329, 10.4610,
31.5531

■ 118.9407,
124.1023, 220.5138

■ 5.5501, 5.7056,
20.7584

149.8301,
156.4286, 268.7304

■ 2.6115, 2.6669,
12.7580

185.6519,
193.9312, 323.5081

■ 0.9518, 0.9604,
7.1333

226.7715,

■ 0.0000, 0.0000,

236.9942, 385.2655

3.4659

273.5542,
286.0022, 454.4212

■ 0.0000, 0.0000,
1.3372

■ 0.0000, 0.0000,
0.0920

■ 37.4002, 38.8705,
84.8884

■ 37.4002, 38.8705,
84.8884

■ 32.0790, 32.5508,
83.9498

■ 43.7947, 46.1333,
85.9540

■ 27.7590, 27.1232,
83.1298

■ 51.3198, 54.3778,
87.1487

■ 24.3649, 22.5373,
82.4236

■ 60.0335, 63.6453,
88.4783

■ 21.8072, 18.7341,
81.8243

■ 69.9884, 73.9734,
89.9471

■ 19.9570, 15.6334,
81.3233

■ 81.2337, 85.3973,
91.5594

■ 19.7510, 15.2773,
81.2654

■ 90.9621, 96.4794,
93.1858

■ 92.1405, 98.8362,
93.5786

Harmonies

Analogous

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



31.8078, 38.8705, 78.9977



37.4002, 38.8705, 84.8884



43.4770, 38.8705, 77.0468

Triad

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



37.4002, 38.8705, 84.8884



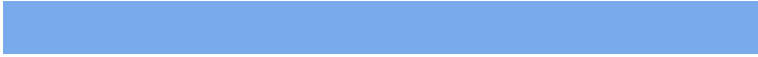
47.6361, 38.8705, 26.9754



27.6122, 38.8705, 28.6745

Complementary

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



37.4002, 38.8705, 84.8884



55.8150, 54.7559, 25.7181

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.



31.1028, 38.8705, 20.0055



37.4002, 38.8705, 84.8884



42.6081, 38.8705, 19.2284

Square

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



37.4002, 38.8705, 84.8884



49.7730, 38.8705, 41.0389



36.4940, 38.8705, 17.0728



26.5358, 38.8705, 43.6343

Rectangle

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



37.4002, 38.8705, 84.8884



46.8824, 38.8705, 66.0649



36.4940, 38.8705, 17.0728



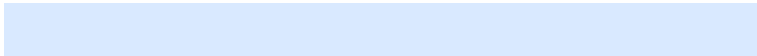
28.5219, 38.8705, 25.0839

Sweetspot

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



37.4016, 38.8719, 84.8893



75.7434, 80.2382, 106.1032



46.7626, 67.6092, 57.1341



15.6909, 16.6303, 22.6329



0.0000, 0.0000, 0.0000



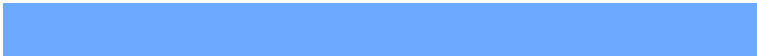
20.3446, 21.4041, 23.3091

Same Dimension

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



37.4016, 38.8719, 84.8893



38.5221, 39.1453, 100.1332



30.9820, 24.3737, 82.4293



14.7588, 15.6041, 19.1563



11.0094, 8.6658, 44.8354



0.9581, 0.8677, 3.5519

Inverse Universe

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



48.6863, 34.4115, 42.1075



53.7749, 34.7030, 41.9524



65.5484, 77.9208, 29.6763



15.3318, 15.1606, 17.0327



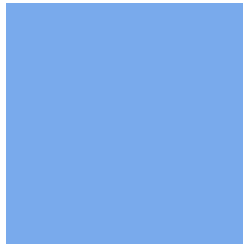
20.4123, 10.3676, 7.9727



1.6501, 0.8330, 0.8748

Previews

White Background



This preview shows how the XYZ color 37.4002, 38.8705, 84.8884 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 37.4002, 38.8705, 84.8884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

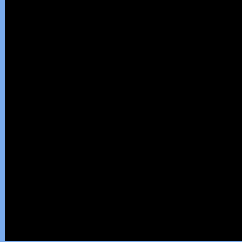
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.4002, 38.8705, 84.8884

Background



This preview shows how black text looks on a background with the XYZ color 37.4002, 38.8705, 84.8884.



This preview shows how white text looks on a background with the XYZ color 37.4002, 38.8705,

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

37.4002, 38.8705, 84.8884

Protanopia

40.0532, 38.9395, 81.7490

Deuteranopia

39.7257, 38.6874, 85.4944



Tritanopia

31.6094, 38.8168, 56.2785

Trichromacy



Original Color

37.4002, 38.8705, 84.8884

Protanomaly

39.0079, 38.9239, 82.5479

Deuteranomaly

38.9363, 38.8202, 85.5616

Tritanomaly

33.5207, 38.7081, 66.0263

Monochromacy



Original Color

37.4002, 38.8705, 84.8884

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

35.1432, 37.2860, 54.0599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4002, 38.8705, 84.8884 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(121, 170, 236)` looks like.

```
.text, #text, p{  
    color:rgb(121, 170, 236)  
}
```

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(121, 170, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 170, 236) }
```

Border

The CSS property to change the border of an element to XYZ 37.4002, 38.8705, 84.8884 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(121, 170, 236) }
```


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

```
.border{ border-color:rgb(121, 170, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 170, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 170, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 170, 236);  
box-shadow:4px 4px 4px 4px rgb(121, 170,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4002, 38.8705, 84.8884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 170, 236) }
```

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

```
.background{ background-color: rgb(121,  
170, 236) }
```

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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