

Converting Colors

XYZ(37.2100, 37.9041, 82.9952)

Have a look what the booklet for
XYZ(37.2100, 37.9041, 82.9952)
contains.

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Color

**XYZ(37.2742, 38.0136,
83.2147)**

Conversions

Conversions Part 1

Format	Color
Hex	7EA7EA
RGB	126, 167, 234
RGB Percent	49%, 65%, 92%
CMY	0.5059, 0.3451, 0.0823
CMYK	0.46, 0.29, 0.00, 0.08
HSL	217°, 72%, 71%
HSV	217°, 46%, 92%
XYZ	37.2742, 38.0136, 83.2147
YIQ	162.3790, -45.9430, 12.1450

Conversions

Conversions Part 2

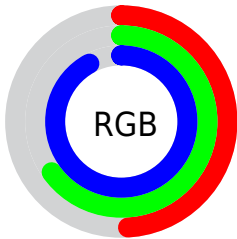
Format	Color
RYB	126, 156, 234
Decimal	8300522
CIELab	68.03, 3.78, -37.98
CIELCh	68, 38.164, 275.686
Yxy	38.0136, 0.2352, 0.2398
Android (android.graphics.Color)	4286490602 (0xFF7EA7EA)
YUV	162.3790, 35.3092, -31.9044
Hunter-Lab	61.6552, 0.0173, -36.8639

Details

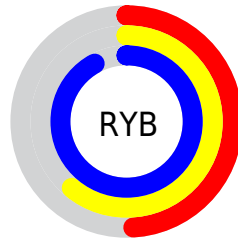
The XYZ color **37.2742, 38.0136, 83.2147** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **56.7688, 57.1403, 27.7774**, and the grayscale version is **34.3765, 36.1667, 39.3856**.

A 20% lighter version of the original color is **63.6997, 69.5298, 104.6710**, and **16.6209, 16.7410, 44.4748** is the 20% darker color. If you saturate the color by 10%, you get **31.7070, 31.4153, 82.2353**, and if you desaturate by 10%, it is **43.9496, 45.6277, 84.3333**.

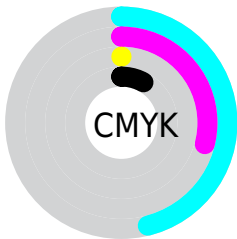
Distribution



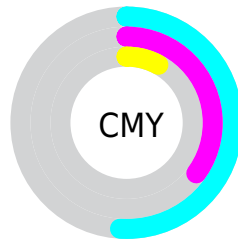
- Red (49%)
- Green (65%)
- Blue (92%)



- Red (49%)
- Yellow (61%)
- Blue (92%)



- Cyan (46%)
- Magenta (29%)
- Yellow (0%)
- Black (8%)



- Cyan (51%)
- Magenta (35%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2742, 38.0136, 83.2147 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 37.2742, 38.0136, 83.2147 by changing the saturation by 10% instead.

■ 37.2742, 38.0136,
83.2147

■ 37.2742, 38.0136,
83.2147

325.8311,
337.6783, 525.6915

■ 25.5945, 25.9932,
61.8256

■ 70.3054, 72.1290,
139.7280

■ 16.6516, 16.8186,
44.4570

■ 92.3876, 94.9928,
175.6894

■ 10.0802, 10.1052,
30.6901

■ 118.6681,
122.2399, 217.3453

■ 5.5148, 5.4688,
20.1065

149.5121,
154.2547, 265.1143

■ 2.5902, 2.5249,
12.2876

185.2851,
191.4215, 319.4148

■ 0.9410, 0.8890,
6.8150

226.3523,

■ 0.0000, 0.0000,

234.1248, 380.6655

3.2700

273.0792,
282.7489, 449.2849

■ 0.0000, 0.0000,
1.2341

■ 0.0000, 0.0000,
0.0068

■ 37.2742, 38.0136,
83.2147

■ 37.2742, 38.0136,
83.2147

■ 31.7070, 31.4153,
82.2353

■ 43.9496, 45.6277,
84.3333

■ 27.1770, 25.7797,
81.3862

■ 51.7901, 54.2989,
85.5937

■ 23.6106, 21.0541,
80.6621

■ 60.8532, 64.0707,
87.0022

■ 20.9215, 17.1776,
80.0556

■ 71.1915, 74.9831,
88.5636

■ 19.0041, 14.0787,
79.5585

■ 82.8541, 87.0735,
90.2826

■ 18.4099, 13.0575,
79.3927

■ 91.5662, 98.1502,
91.9614

■ 91.8514, 98.7206,
92.0565

Harmonies

Analogous

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



31.6295, 38.0136, 78.9256



37.2742, 38.0136, 83.2147



43.2110, 38.0136, 74.0464

Triad

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



37.2742, 38.0136, 83.2147



46.2236, 38.0136, 25.0918



26.6903, 38.0136, 29.3309

Complementary

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



37.2742, 38.0136, 83.2147



56.7688, 57.1403, 27.7774

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.



29.8696, 38.0136, 20.1023



37.2742, 38.0136, 83.2147



41.0401, 38.0136, 18.1657

Square

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



37.2742, 38.0136, 83.2147



48.7287, 38.0136, 38.2335



35.0110, 38.0136, 16.6287



25.9160, 38.0136, 44.7164

Rectangle

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



37.2742, 38.0136, 83.2147



46.4088, 38.0136, 62.7026



35.0110, 38.0136, 16.6287



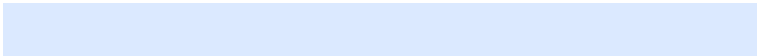
27.4947, 38.0136, 25.5542

Sweetspot

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



37.2755, 38.0150, 83.2156



76.4510, 80.5210, 106.1205



47.6093, 67.1147, 60.6650



15.8099, 16.6455, 22.6296



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.



37.2755, 38.0150, 83.2156



39.0886, 38.8503, 100.0464



32.8944, 26.3185, 81.1889



14.6998, 15.4861, 19.1366



10.4572, 7.5615, 44.6513



0.9113, 0.7741, 3.5363

Inverse Universe

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



48.3688, 35.2057, 40.8066



54.4094, 36.2914, 41.1792



63.1305, 75.7879, 31.0415



15.3021, 15.1487, 16.8759



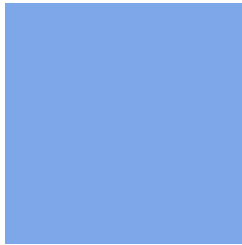
20.1336, 10.2561, 6.5050



1.6265, 0.8236, 0.7505

Previews

White Background



This preview shows how the XYZ color 37.2742, 38.0136, 83.2147 looks on a white background.

Color Contrast Check

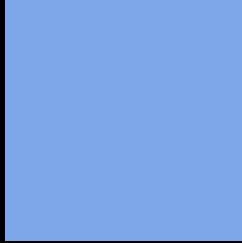
Large Text (above 18pt) WCAG AA × Fail

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 37.2742, 38.0136, 83.2147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

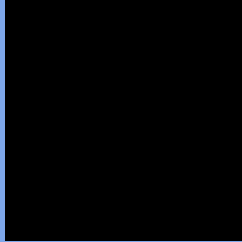
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

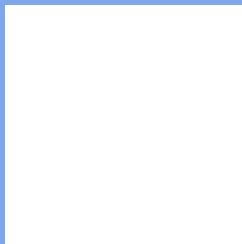
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.2742, 38.0136, 83.2147

Background



This preview shows how black text looks on a background with the XYZ color 37.2742, 38.0136, 83.2147.



This preview shows how white text looks on a background with the XYZ color 37.2742, 38.0136,

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

37.2742, 38.0136, 83.2147

Protanopia

39.1981, 37.9836, 80.8669

Deuteranopia

39.0861, 38.1245, 83.8960



Tritanopia

31.4343, 37.8884, 54.3716

Trichromacy



Original Color

37.2742, 38.0136, 83.2147

Protanomaly

38.3222, 37.7804, 81.6165

Deuteranomaly

38.4422, 38.0593, 83.9173

Tritanomaly

33.3643, 37.8128, 63.9326

Monochromacy



Original Color

37.2742, 38.0136, 83.2147

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.7470, 36.5713, 52.8046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2742, 38.0136, 83.2147 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(126, 167, 234)` looks like.

```
.text, #text, p{  
    color:rgb(126, 167, 234)  
}
```

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(126, 167, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 167, 234) }
```

Border

The CSS property to change the border of an element to XYZ 37.2742, 38.0136, 83.2147 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(126, 167, 234) }
```


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

```
.border{ border-color:rgb(126, 167, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 167, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 167, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 167, 234);  
box-shadow:4px 4px 4px 4px rgb(126, 167,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2742, 38.0136, 83.2147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 167, 234) }
```

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

```
.background{ background-color: rgb(126,  
167, 234) }
```

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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