

Converting Colors

XYZ(38.7037, 41.2168, 86.8047)

Have a look what the booklet for
XYZ(38.7037, 41.2168, 86.8047)
contains.

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Color

**XYZ(38.7037, 41.2168,
86.8047)**

Conversions

Conversions Part 1

Format	Color
Hex	78B0EE
RGB	120, 176, 238
RGB Percent	47%, 69%, 93%
CMY	0.5294, 0.3098, 0.0667
CMYK	0.50, 0.26, 0.00, 0.07
HSL	212°, 78%, 70%
HSV	212°, 50%, 93%
XYZ	38.7037, 41.2168, 86.8047
YIQ	166.3240, -53.2780, 7.4100

Conversions

Conversions Part 2

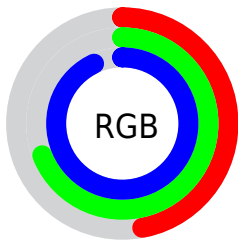
Format	Color
R _Y B	120, 158, 238
Decimal	7909614
CIE Lab	70.33, -1.50, -36.61
CIE LCh	70, 36.639, 267.655
Yxy	41.2168, 0.2321, 0.2472
Android (android.graphics.Color)	4286099694 (0xFF78B0EE)
YUV	166.3240, 35.3363, -40.6261
Hunter-Lab	64.2003, -4.7403, -35.2253

Details

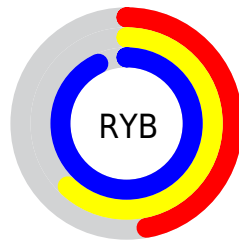
The XYZ color **38.7037, 41.2168, 86.8047** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **55.3795, 52.9910, 25.0805**, and the grayscale version is **36.2563, 38.1445, 41.5393**.

A 20% lighter version of the original color is **64.9860, 73.8368, 105.4345**, and **17.5756, 18.7848, 46.9555** is the 20% darker color. If you saturate the color by 10%, you get **33.4640, 35.0424, 85.8899**, and if you desaturate by 10%, it is **44.9924, 48.2688, 87.8352**.

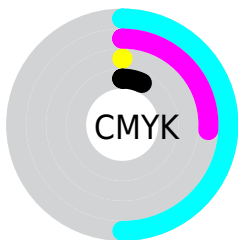
Distribution



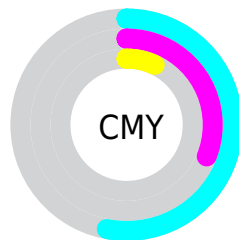
- Red (47%)
- Green (69%)
- Blue (93%)



- Red (47%)
- Yellow (62%)
- Blue (93%)



- Cyan (50%)
- Magenta (26%)
- Yellow (0%)
- Black (7%)



- Cyan (53%)
- Magenta (31%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7037, 41.2168, 86.8047 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 38.7037, 41.2168, 86.8047 by changing the saturation by 10% instead.

■ 38.7037, 41.2168,
86.8047

■ 38.7037, 41.2168,
86.8047

331.8580,
351.2259, 537.8804

■ 26.7090, 28.4885,
64.7749

■ 72.4824, 77.0129,
144.7884

■ 17.4902, 18.6942,
46.8284

■ 94.9972, 100.8495,
181.5793

■ 10.6821, 11.4496,
32.5466

■ 121.7493,
129.1577, 224.1277

■ 5.9192, 6.3701,
21.5111

153.1041,
162.3218, 272.8521

■ 2.8362, 3.0714,
13.3032

189.4271,
200.7263, 328.1710

■ 1.0677, 1.1691,
7.5045

231.0834,

■ 0.0000, 0.0363,

244.7556, 390.5030

3.6964

278.4386,
294.7940, 460.2666

■ 0.0000, 0.0000,
1.4603

■ 0.0000, 0.0000,
0.1881

■ 38.7037, 41.2168,
86.8047

■ 38.7037, 41.2168,
86.8047

■ 33.4640, 35.0424,
85.8899

■ 44.9924, 48.2688,
87.8352

■ 29.2009, 29.6972,
85.0828

■ 52.3871, 56.2342,
88.9829

■ 25.8389, 25.1333,
84.3791

■ 60.9457, 65.1520,
90.2531

■ 23.2874, 21.2943,
83.7726

■ 70.7205, 75.0570,
91.6498

■ 21.4038, 18.0964,
83.2546

■ 81.7602, 85.9825,
93.1768

■ 21.3321, 17.9718,
83.2343

■ 91.1807, 96.4490,
94.7005

■ 92.4328, 98.9531,
95.1179

Harmonies

Analogous

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



33.3044, 41.2168, 79.1045



38.7037, 41.2168, 86.8047



44.7957, 41.2168, 81.0999

Triad

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



38.7037, 41.2168, 86.8047



50.3455, 41.2168, 31.1861



30.1894, 41.2168, 29.3793

Complementary

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



38.7037, 41.2168, 86.8047



55.3795, 52.9910, 25.0805

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.



34.0459, 41.2168, 21.4578



38.7037, 41.2168, 86.8047



45.6986, 41.2168, 22.2978

Square

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



38.7037, 41.2168, 86.8047



51.9127, 41.2168, 46.2480



39.6508, 41.2168, 19.2408



28.7131, 41.2168, 43.5355

Rectangle

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



38.7037, 41.2168, 86.8047



48.3659, 41.2168, 71.1087



39.6508, 41.2168, 19.2408



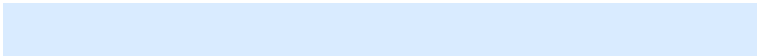
31.2297, 41.2168, 26.0509

Sweetspot

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



38.7051, 41.2183, 86.8057



76.2714, 81.2942, 106.2792



46.6587, 68.4781, 54.4583



15.8176, 16.8838, 22.6752



0.0000, 0.0000, 0.0000



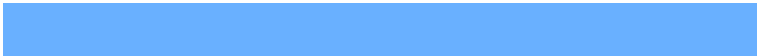
20.3446, 21.4041, 23.3091

Same Dimension

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



38.7051, 41.2183, 86.8057



39.3383, 41.2268, 100.4920



30.1720, 23.7429, 83.8824



15.5160, 16.4661, 20.0821



12.0287, 10.2816, 46.4784



1.0996, 1.0532, 3.8996

Inverse Universe

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



49.8141, 34.7463, 45.1569



54.0773, 34.4043, 44.8384



68.5689, 80.3447, 29.6652



16.0851, 15.8838, 18.0045



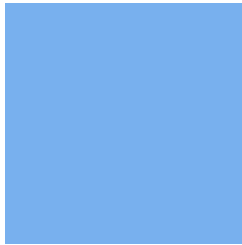
21.3971, 10.8313, 10.0078



1.8300, 0.9210, 1.0955

Previews

White Background



This preview shows how the XYZ color 38.7037, 41.2168, 86.8047 looks on a white background.

Color Contrast Check

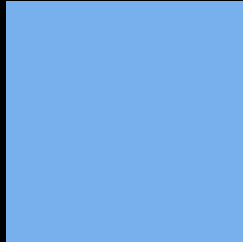
Large Text (above 18pt) WCAG AA × Fail

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 38.7037, 41.2168, 86.8047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

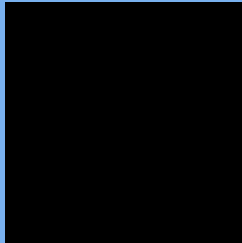
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

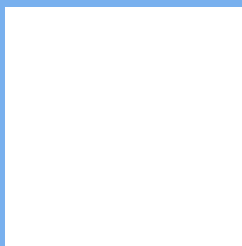
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.7037, 41.2168, 86.8047

Background



This preview shows how black text looks on a background with the XYZ color 38.7037, 41.2168, 86.8047.



This preview shows how white text looks on a background with the XYZ color 38.7037, 41.2168,

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

38.7037, 41.2168, 86.8047

Protanopia

42.0328, 41.0314, 82.7953

Deuteranopia

41.9807, 40.9038, 87.3440



Tritanopia

33.1899, 41.0700, 59.6041

Trichromacy



Original Color

38.7037, 41.2168, 86.8047

Protanomaly

40.7324, 41.1659, 84.3963

Deuteranomaly

40.8137, 41.1403, 87.4511

Tritanomaly

35.0136, 40.8914, 68.9982

Monochromacy



Original Color

38.7037, 41.2168, 86.8047

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.2836, 38.9448, 55.4739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7037, 41.2168, 86.8047 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(120, 176, 238)` looks like.

```
.text, #text, p{  
    color:rgb(120, 176, 238)  
}
```

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(120, 176, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 176, 238) }
```

Border

The CSS property to change the border of an element to XYZ 38.7037, 41.2168, 86.8047 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(120, 176, 238) }
```


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

```
.border{ border-color:rgb(120, 176, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 176, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 176, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 176, 238);  
box-shadow:4px 4px 4px 4px rgb(120, 176,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7037, 41.2168, 86.8047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 176, 238) }
```

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

```
.background{ background-color: rgb(120,  
176, 238) }
```

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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