

Converting Colors

XYZ(38.7311, 40.7494, 67.6336)

Have a look what the booklet for
XYZ(38.7311, 40.7494, 67.6336)
contains.

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Color

**XYZ(38.7341, 40.7933,
67.4604)**

Conversions

Conversions Part 1

Format	Color
Hex	93ADD3
RGB	147, 173, 211
RGB Percent	58%, 68%, 83%
CMY	0.4235, 0.3216, 0.1725
CMYK	0.30, 0.18, 0.00, 0.17
HSL	216°, 42%, 70%
HSV	216°, 30%, 83%
XYZ	38.7341, 40.7933, 67.4604
YIQ	169.5580, -27.6940, 6.3060

Conversions

Conversions Part 2

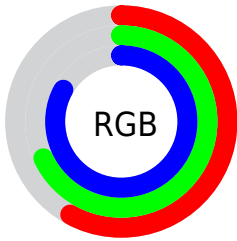
Format	Color
RYB	147, 165, 211
Decimal	9678291
CIELab	70.03, -0.12, -22.17
CIELCh	70, 22.172, 269.681
Yxy	40.7933, 0.2635, 0.2775
Android (android.graphics.Color)	4287868371 (0xFF93ADD3)
YUV	169.5580, 20.4309, -19.7834
Hunter-Lab	63.8696, -3.5195, -17.9146

Details

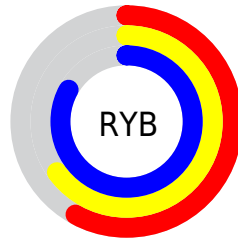
The XYZ color **38.7341, 40.7933, 67.4604** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **49.4802, 50.6542, 34.7745**, and the grayscale version is **37.9013, 39.8751, 43.4239**.

A 20% lighter version of the original color is **70.1505, 75.2634, 105.4377**, and **17.4542, 18.4547, 34.0947** is the 20% darker color. If you saturate the color by 10%, you get **33.0013, 34.4382, 66.5366**, and if you desaturate by 10%, it is **45.3888, 47.9600, 68.4937**.

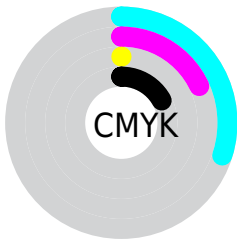
Distribution



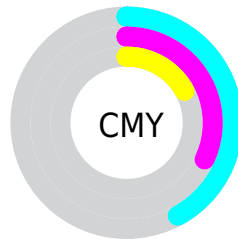
- Red (58%)
- Green (68%)
- Blue (83%)



- Red (58%)
- Yellow (65%)
- Blue (83%)



- Cyan (30%)
- Magenta (18%)
- Yellow (0%)
- Black (17%)



- Cyan (42%)
- Magenta (32%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7341, 40.7933, 67.4604 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 38.7341, 40.7933, 67.4604 by changing the saturation by 10% instead.

■ 38.7341, 40.7933,
67.4604

■ 38.7341, 40.7933,
67.4604

331.9853,
349.4560, 470.1278

■ 26.7327, 28.1576,
48.9949

■ 72.5286, 76.3700,
117.2268

■ 17.5081, 18.4445,
34.2499

■ 95.0525, 100.0798,
149.3648

■ 10.6950, 11.2696,
22.8067

121.8145,
128.2498, 186.8973

■ 5.9279, 6.2485,
14.2469

153.1801,
161.2644, 230.2430

■ 2.8415, 2.9967,
8.1519

189.5147,
199.5078, 279.8204

■ 1.0705, 1.1300,
4.1031

231.1835,

■ 0.0002, 0.0034,

243.3647, 336.0479

1.6821

278.5519,
293.2193, 399.3443

■ 0.0000, 0.0000,
0.3484

■ 0.0000, 0.0000,
0.0000

■ 38.7341, 40.7933,
67.4604

■ 38.7341, 40.7933,
67.4604

■ 33.0013, 34.4382,
66.5366

■ 45.3888, 47.9600,
68.4937

■ 28.1422, 28.8578,
65.7156

■ 53.0024, 55.9632,
69.6372

■ 24.1102, 24.0196,
64.9942

■ 61.6147, 64.8330,
70.8953

■ 20.8521, 19.8859,
64.3681

■ 71.2619, 74.5962,
72.2713

■ 18.3079, 16.4155,
63.8323

■ 81.9783, 85.2783,
73.7683

■ 16.4071, 13.5608,
63.3815

■ 86.6179, 93.2031,
75.0534

■ 15.0636, 11.3144,
63.0187

■ 88.7580, 97.4832,
75.7668

Harmonies

Analogous

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



35.3668, 40.7933, 63.9249



38.7341, 40.7933, 67.4604



42.3196, 40.7933, 64.0664

Triad

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



38.7341, 40.7933, 67.4604



45.1345, 40.7933, 35.2661



33.0737, 40.7933, 35.1017

Complementary

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



38.7341, 40.7933, 67.4604



49.4802, 50.6542, 34.7745

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.



35.4299, 40.7933, 29.2622



38.7341, 40.7933, 67.4604



42.3907, 40.7933, 29.3462

Square

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



38.7341, 40.7933, 67.4604



46.1517, 40.7933, 44.5280



38.8115, 40.7933, 27.3280



32.2256, 40.7933, 44.3062

Rectangle

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



38.7341, 40.7933, 67.4604



44.3210, 40.7933, 58.5916



38.8115, 40.7933, 27.3280



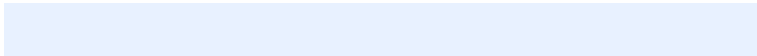
33.7081, 40.7933, 32.7354

Sweetspot

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



38.7354, 40.7949, 67.4613



82.9110, 87.5162, 107.1302



44.0147, 56.2672, 54.0728



17.3522, 18.3225, 22.8720



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.



38.7354, 40.7949, 67.4613



53.9643, 56.5658, 102.6818



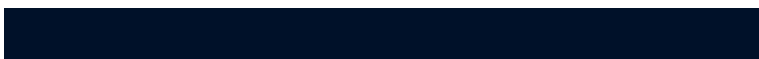
35.2042, 32.2796, 66.0038



11.5524, 12.1950, 14.9886



9.1857, 7.0180, 38.0630



0.5907, 0.5466, 2.1539

Inverse Universe

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



44.8416, 37.7348, 44.4569



64.8560, 51.7188, 61.5117



53.9227, 61.7701, 36.6859



12.0049, 11.8867, 13.3019



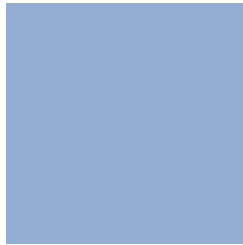
17.2672, 8.7797, 6.3134



1.0044, 0.5065, 0.5579

Previews

White Background



This preview shows how the XYZ color 38.7341, 40.7933, 67.4604 looks on a white background.

Color Contrast Check

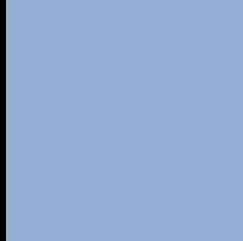
Large Text (above 18pt) WCAG AA × Fail

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 38.7341, 40.7933, 67.4604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

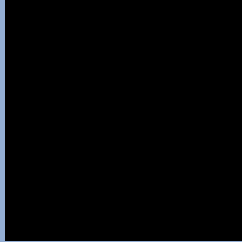
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.7341, 40.7933, 67.4604

Background



This preview shows how black text looks on a background with the XYZ color 38.7341, 40.7933, 67.4604.



This preview shows how white text looks on a background with the XYZ color 38.7341, 40.7933,

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

38.7341, 40.7933, 67.4604

Protanopia

40.4734, 40.6114, 65.3801

Deuteranopia

41.4283, 40.4979, 67.9207



Tritanopia

36.4538, 41.0455, 55.2915

Trichromacy



Original Color

38.7341, 40.7933, 67.4604

Protanomaly

39.7880, 40.5210, 66.0459

Deuteranomaly

40.3697, 40.5003, 67.9770

Tritanomaly

37.2200, 41.0572, 59.3892

Monochromacy



Original Color

38.7341, 40.7933, 67.4604

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.2202, 40.3100, 51.6651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7341, 40.7933, 67.4604 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(147, 173, 211)` looks like.

```
.text, #text, p{  
    color:rgb(147, 173, 211)  
}
```

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(147, 173, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 173, 211) }
```

Border

The CSS property to change the border of an element to XYZ 38.7341, 40.7933, 67.4604 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(147, 173, 211) }
```


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

```
.border{ border-color:rgb(147, 173, 211) }
```

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

Here you see how a box with a 4 pixel rgb(147, 173, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 173, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 173, 211);  
box-shadow:4px 4px 4px 4px rgb(147, 173,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7341, 40.7933, 67.4604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 173, 211) }
```

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

```
.background{ background-color: rgb(147,  
173, 211) }
```

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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