

Converting Colors

XYZ(38.7311, 40.7497, 69.9350)

Have a look what the booklet for
XYZ(38.7311, 40.7497, 69.9350)
contains.

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Color

**XYZ(38.7109, 40.7227,
70.1100)**

Conversions

Conversions Part 1

Format	Color
Hex	90ADD7
RGB	144, 173, 215
RGB Percent	56%, 68%, 84%
CMY	0.4353, 0.3216, 0.1569
CMYK	0.33, 0.20, 0.00, 0.16
HSL	215°, 47%, 70%
HSV	215°, 33%, 84%
XYZ	38.7109, 40.7227, 70.1100
YIQ	169.1170, -30.7660, 6.9140

Conversions

Conversions Part 2

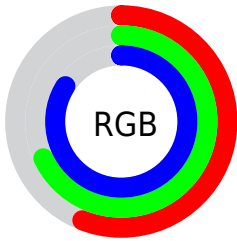
Format	Color
RYB	144, 165, 215
Decimal	9481687
CIELab	69.98, 0.02, -24.46
CIELCh	70, 24.461, 270.039
Yxy	40.7227, 0.2589, 0.2723
Android (android.graphics.Color)	4287671767 (0xFF90ADD7)
YUV	169.1170, 22.6203, -22.0276
Hunter-Lab	63.8143, -3.3939, -20.4693

Details

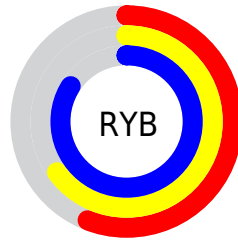
The XYZ color **38.7109, 40.7227, 70.1100** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **50.6181, 51.5792, 33.6747**, and the grayscale version is **37.6735, 39.6354, 43.1630**.

A 20% lighter version of the original color is **69.3466, 74.8489, 105.4001**, and **17.4969, 18.4370, 35.8942** is the 20% darker color. If you saturate the color by 10%, you get **32.9836, 34.3213, 69.1770**, and if you desaturate by 10%, it is **45.3881, 47.9603, 71.1558**.

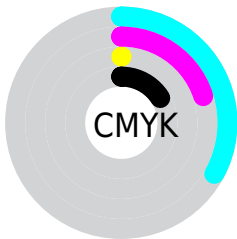
Distribution



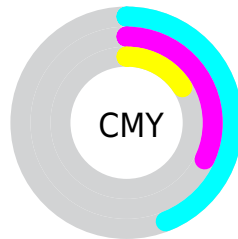
- Red (56%)
- Green (68%)
- Blue (84%)



- Red (56%)
- Yellow (65%)
- Blue (84%)



- Cyan (33%)
- Magenta (20%)
- Yellow (0%)
- Black (16%)



- Cyan (44%)
- Magenta (32%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7109, 40.7227, 70.1100 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 38.7109, 40.7227, 70.1100 by changing the saturation by 10% instead.

■ 38.7109, 40.7227,
70.1100

■ 38.7109, 40.7227,
70.1100

331.8882,
349.1603, 479.7357

■ 26.7146, 28.1025,
51.1389

■ 72.4934, 76.2628,
121.0482

■ 17.4945, 18.4029,
35.9416

■ 95.0103, 99.9514,
153.8523

■ 10.6852, 11.2396,
24.0998

121.7647,
128.0983, 192.1045

■ 5.9213, 6.2283,
15.1948

153.1221,
161.0878, 236.2234

■ 2.8375, 2.9844,
8.8081

189.4478,
199.3044, 286.6274

■ 1.0684, 1.1236,
4.5211

231.1071,

■ 0.0000, 0.0000,

243.1324, 343.7351

1.9154

278.4655,
292.9562, 407.9650

■ 0.0000, 0.0000,
0.5025

■ 0.0000, 0.0000,
0.0000

■ 38.7109, 40.7227,
70.1100

■ 38.7109, 40.7227,
70.1100

■ 32.9836, 34.3213,
69.1770

■ 45.3881, 47.9603,
71.1558

■ 28.1551, 28.7174,
68.3498

■ 53.0549, 56.0609,
72.3153

■ 24.1752, 23.8761,
67.6251

■ 61.7535, 65.0562,
73.5931

■ 20.9866, 19.7572,
66.9981

■ 71.5224, 74.9744,
74.9926

■ 18.5239, 16.3161,
66.4637

■ 82.3980, 85.8426,
76.5172

■ 16.7094, 13.5010,
66.0160

■ 87.4780, 94.1107,
77.8453

■ 15.7408, 11.8563,
65.7496

■ 89.2659, 97.6864,
78.4413

Harmonies

Analogous

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



35.0030, 40.7227, 66.2039



38.7109, 40.7227, 70.1100



42.6703, 40.7227, 66.1844

Triad

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



38.7109, 40.7227, 70.1100



45.7266, 40.7227, 34.2353



32.4384, 40.7227, 34.2570

Complementary

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



38.7109, 40.7227, 70.1100



50.6181, 51.5792, 33.6747

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.



34.9946, 40.7227, 27.9241



38.7109, 40.7227, 70.1100



42.6607, 40.7227, 27.9131

Square

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



38.7109, 40.7227, 70.1100



46.8866, 40.7227, 44.3252



38.7005, 40.7227, 25.8136



31.5365, 40.7227, 44.3550

Rectangle

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



38.7109, 40.7227, 70.1100



44.8822, 40.7227, 59.9840



38.7005, 40.7227, 25.8136



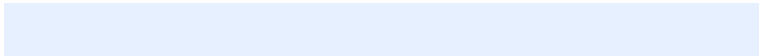
33.1236, 40.7227, 31.6841

Sweetspot

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



38.7122, 40.7243, 70.1109



81.6582, 86.2310, 106.9481



44.6041, 58.0515, 54.9852



17.1025, 18.0662, 22.8357



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.



38.7122, 40.7243, 70.1109



50.6266, 52.8718, 102.1447



34.8025, 31.3302, 68.5038



12.1550, 12.8334, 15.7740



9.5132, 7.2881, 39.3585



0.6541, 0.6002, 2.4007

Inverse Universe

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



45.5415, 37.4120, 44.3577



62.4435, 47.9674, 57.3978



55.6534, 64.1828, 35.8421



12.6314, 12.5041, 13.9993



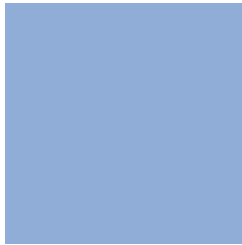
17.8607, 9.0806, 6.5703



1.1178, 0.5639, 0.6097

Previews

White Background



This preview shows how the XYZ color 38.7109, 40.7227, 70.1100 looks on a white background.

Color Contrast Check

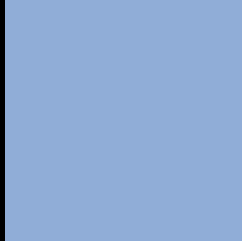
Large Text (above 18pt) WCAG AA × Fail

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 38.7109, 40.7227, 70.1100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

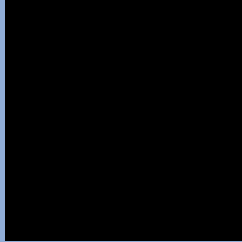
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

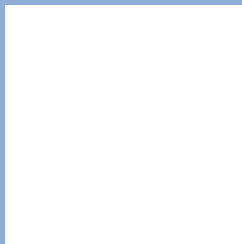
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.7109, 40.7227, 70.1100

Background



This preview shows how black text looks on a background with the XYZ color 38.7109, 40.7227, 70.1100.

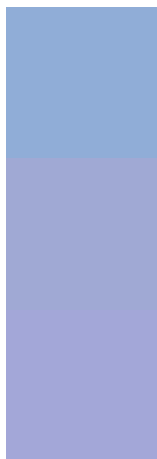


This preview shows how white text looks on a background with the XYZ color 38.7109, 40.7227,

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

38.7109, 40.7227, 70.1100

Protanopia

40.5688, 40.6030, 67.9863

Deuteranopia

41.3176, 40.3818, 70.5825



Tritanopia

35.7736, 40.6948, 55.2596

Trichromacy



Original Color

38.7109, 40.7227, 70.1100

Protanomaly

39.7114, 40.4236, 68.6603

Deuteranomaly

40.2929, 40.4017, 70.6404

Tritanomaly

36.9352, 40.8835, 60.5882

Monochromacy



Original Color

38.7109, 40.7227, 70.1100

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.7349, 39.7682, 52.1416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7109, 40.7227, 70.1100 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(144, 173, 215)` looks like.

```
.text, #text, p{  
    color:rgb(144, 173, 215)  
}
```

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(144, 173, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 173, 215) }
```

Border

The CSS property to change the border of an element to XYZ 38.7109, 40.7227, 70.1100 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(144, 173, 215) }
```


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

```
.border{ border-color:rgb(144, 173, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 173, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 173, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 173, 215);  
box-shadow:4px 4px 4px 4px rgb(144, 173,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7109, 40.7227, 70.1100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 173, 215) }
```

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

```
.background{ background-color: rgb(144,  
173, 215) }
```

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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