

Converting Colors

XYZ(38.0245, 40.3689, 70.0778)

Have a look what the booklet for
XYZ(38.0245, 40.3689, 70.0778)
contains.

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Color

**XYZ(38.0245, 40.3689,
70.0778)**

Conversions

Conversions Part 1

Format	Color
Hex	8CADD7
RGB	140, 173, 215
RGB Percent	55%, 68%, 84%
CMY	0.4510, 0.3216, 0.1569
CMYK	0.35, 0.20, 0.00, 0.16
HSL	214°, 48%, 70%
HSV	214°, 35%, 84%
XYZ	38.0245, 40.3689, 70.0778
YIQ	167.9210, -33.1500, 6.0660

Conversions

Conversions Part 2

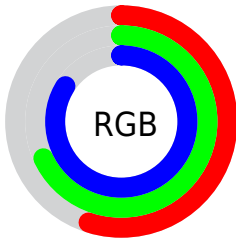
Format	Color
R _Y B	140, 163, 215
Decimal	9219543
CIE Lab	69.73, -1.11, -24.87
CIE LCh	70, 24.890, 267.442
Yxy	40.3689, 0.2561, 0.2719
Android (android.graphics.Color)	4287409623 (0xFF8CADD7)
YUV	167.9210, 23.2099, -24.4867
Hunter-Lab	63.5365, -4.3626, -20.9185

Details

The XYZ color **38.0245, 40.3689, 70.0778** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **49.4866, 49.7970, 31.8157**, and the grayscale version is **37.0832, 39.0144, 42.4867**.

A 20% lighter version of the original color is **68.2991, 74.3089, 105.3510**, and **17.1130, 18.2390, 35.8762** is the 20% darker color. If you saturate the color by 10%, you get **32.5441, 34.2702, 69.1902**, and if you desaturate by 10%, it is **44.4234, 47.2517, 71.0698**.

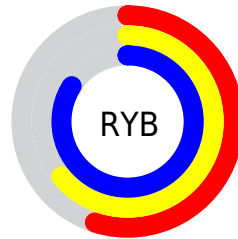
Distribution



Red (55%)

Green (68%)

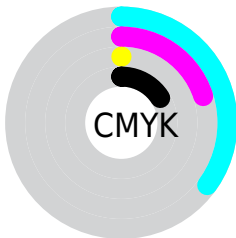
Blue (84%)



Red (55%)

Yellow (64%)

Blue (84%)

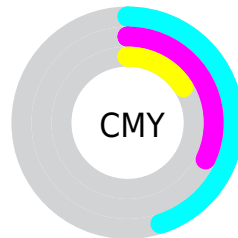


Cyan (35%)

Magenta (20%)

Yellow (0%)

Black (16%)



Cyan (45%)

Magenta (32%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0245, 40.3689, 70.0778 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 38.0245, 40.3689, 70.0778 by changing the saturation by 10% instead.

■ 38.0245, 40.3689,
70.0778

■ 38.0245, 40.3689,
70.0778

329.0041,
347.6760, 479.6196

■ 26.1790, 27.8263,
51.1128

■ 71.4493, 75.7249,
121.0019

■ 17.0910, 18.1948,
35.9210

■ 93.7594, 99.3071,
153.7980

■ 10.3951, 11.0899,
24.0840

■ 120.2884,
127.3380, 192.0415

■ 5.7260, 6.1273,
15.1832

151.4016,
160.2019, 236.1510

■ 2.7182, 2.9227,
8.8000

187.4644,
198.2833, 286.5450

■ 1.0066, 1.0915,
4.5159

228.8422,

■ 0.0000, 0.0000,

241.9665, 343.6421

1.9124

275.9003,
291.6359, 407.8608

■ 0.0000, 0.0000,
0.5006

■ 0.0000, 0.0000,
0.0000

■ 38.0245, 40.3689,
70.0778

■ 38.0245, 40.3689,
70.0778

■ 32.5441, 34.2702,
69.1902

■ 44.4234, 47.2517,
71.0698

■ 27.9313, 28.9187,
68.4004

■ 51.7801, 54.9441,
72.1668

■ 24.1362, 24.2809,
67.7052

■ 60.1364, 63.4760,
73.3732

■ 21.1013, 20.3185,
67.1004

■ 69.5303, 72.8743,
74.6921

■ 18.7606, 16.9882,
66.5809

■ 79.9976, 83.1644,
76.1267

■ 17.0348, 14.2393,
66.1413

■ 86.2314, 91.6175,
77.4297

■ 16.3225, 13.0195,
65.9434

■ 89.2659, 97.6863,
78.4412

Harmonies

Analogous

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



34.3465, 40.3689, 65.4516



38.0245, 40.3689, 70.0778



42.0546, 40.3689, 66.7521

Triad

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



38.0245, 40.3689, 70.0778



45.6696, 40.3689, 34.4954



32.1987, 40.3689, 33.0558

Complementary

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



38.0245, 40.3689, 70.0778



49.4866, 49.7970, 31.8157

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.



34.9061, 40.3689, 27.0472



38.0245, 40.3689, 70.0778



42.6948, 40.3689, 27.7704

Square

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



38.0245, 40.3689, 70.0778



46.6477, 40.3689, 44.9532



38.7164, 40.3689, 25.2949



31.1335, 40.3689, 42.9715

Rectangle

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



38.0245, 40.3689, 70.0778



44.3684, 40.3689, 60.7475



38.7164, 40.3689, 25.2949



32.9372, 40.3689, 30.5827

Sweetspot

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



38.0258, 40.3705, 70.0787



81.8955, 86.7056, 107.0272



43.4828, 57.5236, 52.6631



17.1598, 18.1808, 22.8548



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.



38.0258, 40.3705, 70.0787



49.7655, 52.5483, 102.1276



33.1029, 29.5705, 68.2536



12.1878, 12.8989, 15.7849



9.8645, 7.9907, 39.4756



0.6766, 0.6453, 2.4082

Inverse Universe

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



44.9463, 36.2216, 44.1594



61.6674, 46.3497, 57.3411



55.9705, 64.3809, 34.2889



12.6480, 12.5107, 14.0865



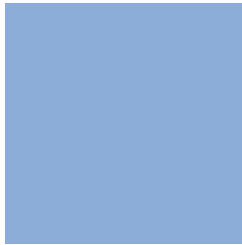
18.0380, 9.1515, 7.5041



1.1292, 0.5685, 0.6697

Previews

White Background



This preview shows how the XYZ color 38.0245, 40.3689, 70.0778 looks on a white background.

Color Contrast Check

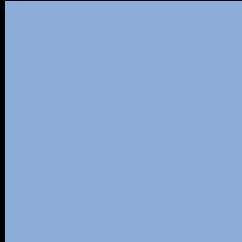
Large Text (above 18pt) WCAG AA × Fail

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 38.0245, 40.3689, 70.0778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

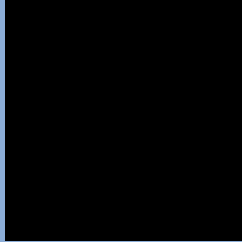
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

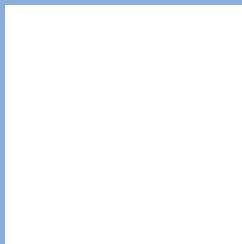
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.0245, 40.3689, 70.0778

Background



This preview shows how black text looks on a background with the XYZ color 38.0245, 40.3689, 70.0778.

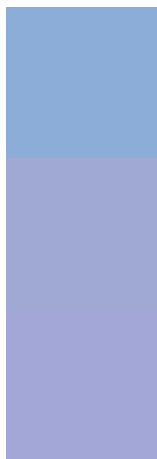


This preview shows how white text looks on a background with the XYZ color 38.0245, 40.3689,

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

38.0245, 40.3689, 70.0778

Protanopia

40.3835, 40.2323, 67.9245

Deuteranopia

41.1137, 40.2767, 70.5730



Tritanopia

34.9576, 40.2742, 55.2215

Trichromacy



Original Color

38.0245, 40.3689, 70.0778

Protanomaly

39.5218, 40.3259, 68.6514

Deuteranomaly

39.9091, 40.2038, 70.6224

Tritanomaly

36.1040, 40.4550, 60.5493

Monochromacy



Original Color

38.0245, 40.3689, 70.0778

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.2322, 39.5213, 51.5650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0245, 40.3689, 70.0778 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(140, 173, 215)` looks like.

```
.text, #text, p{  
    color:rgb(140, 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(140, 173, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 173, 215) }
```

Border

The CSS property to change the border of an element to XYZ 38.0245, 40.3689, 70.0778 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(140, 173, 215) }
```


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

```
.border{ border-color:rgb(140, 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(140, 173, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 173, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 173, 215);  
box-shadow:4px 4px 4px 4px rgb(140, 173,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0245, 40.3689, 70.0778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 173, 215) }
```

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

```
.background{ background-color: rgb(140,  
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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