

Converting Colors

XYZ(42.5255, 37.8230, 68.6783)

Have a look what the booklet for
XYZ(42.5255, 37.8230, 68.6783)
contains.

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Color

**XYZ(42.6813, 38.0010,
68.7037)**

Conversions

Conversions Part 1

Format	Color
Hex	B49BD6
RGB	180, 155, 214
RGB Percent	71%, 61%, 84%
CMY	0.2941, 0.3921, 0.1608
CMYK	0.16, 0.28, 0.00, 0.16
HSL	265°, 42%, 72%
HSV	265°, 28%, 84%
XYZ	42.6813, 38.0010, 68.7037
YIQ	169.2010, -4.0390, 23.6490

Conversions

Conversions Part 2

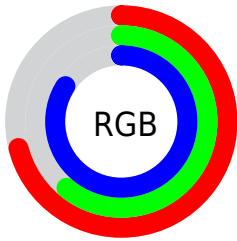
Format	Color
RYB	180, 155, 214
Decimal	11836374
CIELab	68.02, 20.73, -26.68
CIELCh	68, 33.782, 307.843
Yxy	38.0010, 0.2857, 0.2544
Android (android.graphics.Color)	4290026454 (0xFFB49BD6)
YUV	169.2010, 22.0859, 9.4707
Hunter-Lab	61.6450, 15.7099, -22.9276

Details

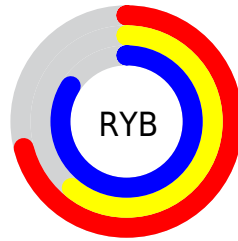
The XYZ color **42.6813, 38.0010, 68.7037** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.9504, 61.2794, 40.1548**, and the grayscale version is **37.7081, 39.6718, 43.2026**.

A 20% lighter version of the original color is **75.6887, 71.1461, 104.3511**, and **19.8125, 16.8395, 35.0070** is the 20% darker color. If you saturate the color by 10%, you get **36.6863, 30.0845, 67.4922**, and if you desaturate by 10%, it is **49.5654, 47.3146, 70.1392**.

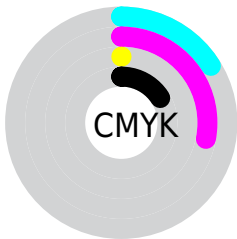
Distribution



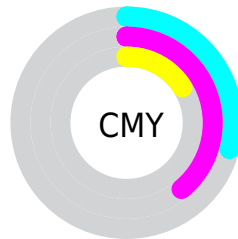
- Red (71%)
- Green (61%)
- Blue (84%)



- Red (71%)
- Yellow (61%)
- Blue (84%)



- Cyan (16%)
- Magenta (28%)
- Yellow (0%)
- Black (16%)



- Cyan (29%)
- Magenta (39%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6813, 38.0010, 68.7037 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 42.6813, 38.0010, 68.7037 by changing the saturation by 10% instead.

■ 42.6813, 38.0010,
68.7037

■ 42.6813, 38.0010,
68.7037

348.2432,
337.6243, 474.6508

■ 29.8286, 25.9835,
50.0002

■ 78.4884, 72.1097,
119.0220

■ 19.8559, 16.8113,
35.0424

■ 102.1735, 94.9696,
151.4738

■ 12.3980, 10.1000,
23.4117

130.2001,
122.2124, 189.3455

■ 7.0895, 5.4653,
14.6896

162.9336,
154.2226, 233.0556

■ 3.5649, 2.5228,
8.4577

200.7393,
191.3845, 283.0227

■ 1.4591, 0.8880,
4.2972

243.9826,

■ 0.2977, 0.0000,

234.0824, 339.6652

1.7898

293.0288,
282.7009, 403.4017

■ 0.0000, 0.0000,
0.4212

■ 0.0000, 0.0000,
0.0000

■ 42.6813, 38.0010,
68.7037

■ 42.6813, 38.0010,
68.7037

■ 36.6863, 30.0845,
67.4922

■ 49.5654, 47.3146,
70.1392

■ 31.5367, 23.4904,
66.4909

■ 57.3721, 58.0855,
71.8067

■ 27.1905, 18.1438,
65.6879

■ 66.1376, 70.3763,
73.7171

■ 23.6001, 13.9603,
65.0697

■ 75.8950, 84.2442,
75.8796

■ 20.7122, 10.8446,
64.6205

■ 84.4005, 95.1930,
77.5446

■ 18.4653, 8.6855,
64.3222

■ 88.7696, 97.4453,
77.7491

■ 16.7770, 7.3306,
64.1496

■ 89.1377, 97.6351,
77.7663

■ 16.4202, 7.0628,
64.1167

Harmonies

Analogous

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



37.5157, 38.0010, 77.1873



42.6813, 38.0010, 68.7037



46.3118, 38.0010, 53.2821

Triad

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



42.6813, 38.0010, 68.7037



40.0664, 38.0010, 19.9408



27.0027, 38.0010, 45.4537

Complementary

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



42.6813, 38.0010, 68.7037



50.9504, 61.2794, 40.1548

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.



27.5433, 38.0010, 31.3915



42.6813, 38.0010, 68.7037



34.7570, 38.0010, 18.8151

Square

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



42.6813, 38.0010, 68.7037



44.7029, 38.0010, 26.0373



30.2660, 38.0010, 22.4688



28.7106, 38.0010, 61.7973

Rectangle

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



42.6813, 38.0010, 68.7037



47.1897, 38.0010, 42.4757



30.2660, 38.0010, 22.4688



26.9308, 38.0010, 40.2967

Sweetspot

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



42.6825, 38.0026, 68.7045



84.6903, 85.5060, 106.6484



43.9438, 48.3996, 70.6449



17.7326, 17.7539, 22.7422



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.



42.6825, 38.0026, 68.7045



58.1789, 49.4835, 101.0927



50.1781, 41.8667, 69.0553



12.2364, 12.2633, 15.6596



10.0382, 4.3274, 38.7594



0.6989, 0.3092, 2.3422

Inverse Universe

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



48.6394, 41.4145, 53.5759



68.6061, 55.4618, 74.3448



44.4448, 57.9256, 39.8503



12.7202, 12.5396, 14.4669



18.9882, 9.5316, 12.5079



1.1863, 0.5913, 0.9703

Previews

White Background



This preview shows how the XYZ color 42.6813, 38.0010, 68.7037 looks on a white background.

Color Contrast Check

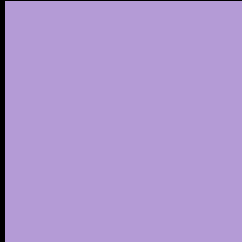
Large Text (above 18pt) WCAG AA × Fail

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 42.6813, 38.0010, 68.7037 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 42.6813, 38.0010, 68.7037

Background



This preview shows how black text looks on a background with the XYZ color 42.6813, 38.0010, 68.7037.



This preview shows how white text looks on a background with the XYZ color 42.6813, 38.0010,

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

42.6813, 38.0010, 68.7037

Protanopia

38.9043, 38.2554, 73.7402

Deuteranopia

38.8855, 38.1160, 67.5950



Tritanopia

37.8918, 37.8200, 45.8603

Trichromacy



Original Color

42.6813, 38.0010, 68.7037

Protanomaly

40.0977, 38.1288, 71.5759

Deuteranomaly

40.0981, 37.9450, 68.1615

Tritanomaly

39.4879, 37.7005, 53.3398

Monochromacy



Original Color

42.6813, 38.0010, 68.7037

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

39.2660, 38.9379, 51.3452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6813, 38.0010, 68.7037 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(180, 155, 214)` looks like.

```
.text, #text, p{  
    color:rgb(180, 155, 214)  
}
```

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(180, 155, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 155, 214) }
```

Border

The CSS property to change the border of an element to XYZ 42.6813, 38.0010, 68.7037 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(180, 155, 214) }
```


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

```
.border{ border-color:rgb(180, 155, 214) }
```

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

Here you see how a box with a 4 pixel rgb(180, 155, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 155, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 155, 214);  
box-shadow:4px 4px 4px 4px rgb(180, 155,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6813, 38.0010, 68.7037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 155, 214) }
```

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

```
.background{ background-color: rgb(180,  
155, 214) }
```

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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