

Converting Colors

XYZ(38.8728, 35.1017, 66.7519)

Have a look what the booklet for
XYZ(38.8728, 35.1017, 66.7519)
contains.

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Color

**XYZ(38.8866, 35.1022,
67.0132)**

Conversions

Conversions Part 1

Format	Color
Hex	A797D4
RGB	167, 151, 212
RGB Percent	65%, 59%, 83%
CMY	0.3451, 0.4078, 0.1686
CMYK	0.21, 0.29, 0.00, 0.17
HSL	256°, 41%, 71%
HSV	256°, 29%, 83%
XYZ	38.8866, 35.1022, 67.0132
YIQ	162.7380, -10.0450, 22.3630

Conversions

Conversions Part 2

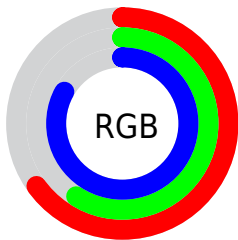
Format	Color
R _Y B	167, 151, 212
Decimal	10983380
CIE Lab	65.83, 18.48, -29.04
CIE LCh	66, 34.420, 302.468
Yxy	35.1022, 0.2758, 0.2489
Android (android.graphics.Color)	4289173460 (0xFFA797D4)
YUV	162.7380, 24.2862, 3.7378
Hunter-Lab	59.2471, 13.4753, -25.5887

Details

The XYZ color **38.8866, 35.1022, 67.0132** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.8955, 61.0580, 38.3299**, and the grayscale version is **34.5828, 36.3838, 39.6220**.

A 20% lighter version of the original color is **70.3127, 66.5706, 103.7513**, and **17.5824, 15.1261, 33.8912** is the 20% darker color. If you saturate the color by 10%, you get **32.6702, 27.2806, 65.8317**, and if you desaturate by 10%, it is **46.1184, 44.3596, 68.4195**.

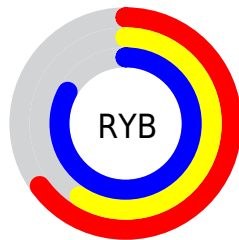
Distribution



Red (65%)

Green (59%)

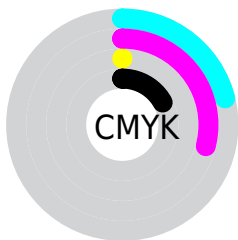
Blue (83%)



Red (65%)

Yellow (59%)

Blue (83%)

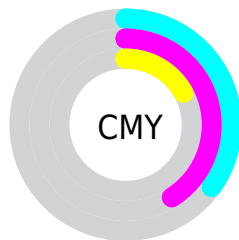


Cyan (21%)

Magenta (29%)

Yellow (0%)

Black (17%)



Cyan (35%)

Magenta (41%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8866, 35.1022, 67.0132 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 38.8866, 35.1022, 67.0132 by changing the saturation by 10% instead.

■ 38.8866, 35.1022,
67.0132

■ 38.8866, 35.1022,
67.0132

332.6236,
325.0192, 468.4945

■ 26.8518, 23.7416,
48.6337

■ 72.7602, 67.6441,
116.5802

■ 17.5980, 15.1421,
33.9654

■ 95.3298, 89.5941,
148.6047

■ 10.7597, 8.9191,
22.5899

122.1417,
115.8428, 186.0146

■ 5.9716, 4.6885,
14.0885

153.5613,
146.7745, 229.2285

■ 2.8683, 2.0657,
8.0428

189.9539,
182.7736, 278.6649

■ 1.0845, 0.6452,
4.0342

231.6850,

■ 0.0121, 0.0000,

224.2245, 334.7424

1.6441

279.1197,
271.5115, 397.8794

■ 0.0000, 0.0000,
0.3220

■ 0.0000, 0.0000,
0.0000

■ 38.8866, 35.1022,
67.0132

■ 38.8866, 35.1022,
67.0132

■ 32.6702, 27.2806,
65.8317

■ 46.1184, 44.3596,
68.4195

■ 27.4186, 20.8174,
64.8610

■ 54.4061, 55.1163,
70.0589

■ 23.0820, 15.6344,
64.0891

■ 63.7920, 67.4372,
71.9424

■ 19.6044, 11.6434,
63.5021

■ 74.3152, 81.3820,
74.0794

■ 16.9233, 8.7447,
63.0839

■ 85.3700, 95.7221,
76.2647

■ 14.9665, 6.8216,
62.8158

■ 88.8838, 97.5335,
76.4291

■ 13.6294, 5.6954,
62.6689

■ 13.4926, 5.5829,
62.6544

Harmonies

Analogous

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



33.7859, 35.1022, 73.5340



38.8866, 35.1022, 67.0132



42.7962, 35.1022, 52.6644

Triad

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



38.8866, 35.1022, 67.0132



38.0854, 35.1022, 18.3940



24.5255, 35.1022, 39.4374

Complementary

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



38.8866, 35.1022, 67.0132



51.8955, 61.0580, 38.3299

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.



25.4300, 35.1022, 26.6928



38.8866, 35.1022, 67.0132



32.9448, 35.1022, 16.5310

Square

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



38.8866, 35.1022, 67.0132



42.3017, 35.1022, 25.0842



28.3900, 35.1022, 19.1436



25.7825, 35.1022, 55.2900

Rectangle

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



38.8866, 35.1022, 67.0132



44.0140, 35.1022, 42.0059



28.3900, 35.1022, 19.1436



24.5868, 35.1022, 34.6693

Sweetspot

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



38.8878, 35.1036, 67.0140



82.2039, 83.1505, 106.3248



44.5568, 51.1529, 69.8130



17.1785, 17.2545, 22.6750



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.



38.8878, 35.1036, 67.0140



52.6665, 45.2408, 100.5643



45.9119, 38.7247, 67.3427



12.0450, 12.1646, 15.6507



8.4103, 3.4882, 38.6832



0.5855, 0.2507, 2.3368

Inverse Universe

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



48.1829, 40.1172, 57.4298



69.3383, 54.2446, 82.8556



44.9089, 57.4562, 38.0029



12.8075, 12.5745, 14.9264



20.5303, 10.1485, 20.6287



1.2714, 0.6254, 1.4188

Previews

White Background



This preview shows how the XYZ color 38.8866, 35.1022, 67.0132 looks on a white background.

Color Contrast Check

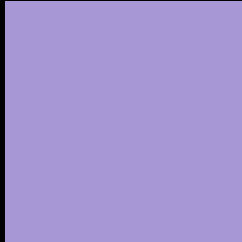
Large Text (above 18pt) WCAG AA × Fail

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 38.8866, 35.1022, 67.0132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

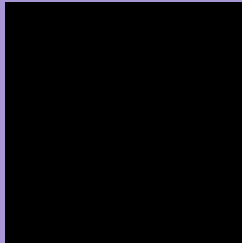
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.8866, 35.1022, 67.0132

Background



This preview shows how black text looks on a background with the XYZ color 38.8866, 35.1022, 67.0132.



This preview shows how white text looks on a background with the XYZ color 38.8866, 35.1022,

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

38.8866, 35.1022, 67.0132

Protanopia

36.0789, 35.3031, 70.5583

Deuteranopia

36.0276, 35.1130, 66.5066



Tritanopia

34.2460, 35.2101, 43.5194

Trichromacy



Original Color

38.8866, 35.1022, 67.0132

Protanomaly

36.9360, 35.0244, 69.1036

Deuteranomaly

36.9968, 35.1144, 66.4558

Tritanomaly

35.8557, 35.1086, 51.3412

Monochromacy



Original Color

38.8866, 35.1022, 67.0132

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

36.0485, 36.0250, 48.7696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8866, 35.1022, 67.0132 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(167, 151, 212)` looks like.

```
.text, #text, p{  
    color:rgb(167, 151, 212)  
}
```

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(167, 151, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 151, 212) }
```

Border

The CSS property to change the border of an element to XYZ 38.8866, 35.1022, 67.0132 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(167, 151, 212) }
```


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

```
.border{ border-color:rgb(167, 151, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 151, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 151, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 151, 212);  
box-shadow:4px 4px 4px 4px rgb(167, 151,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8866, 35.1022, 67.0132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 151, 212) }
```

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

```
.background{ background-color: rgb(167,  
151, 212) }
```

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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