

Converting Colors

XYZ(38.8224, 33.2473, 62.3088)

Have a look what the booklet for
XYZ(38.8224, 33.2473, 62.3088)
contains.

XYZ(38.7464, 33.2828, 62.1397)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.7464, 33.2828,
62.1397)**

Conversions

Conversions Part 1

Format	Color
Hex	B08FCD
RGB	176, 143, 205
RGB Percent	69%, 56%, 80%
CMY	0.3098, 0.4392, 0.1961
CMYK	0.14, 0.30, 0.00, 0.20
HSL	272°, 38%, 68%
HSV	272°, 30%, 80%
XYZ	38.7464, 33.2828, 62.1397
YIQ	159.9350, -0.2340, 26.2780

Conversions

Conversions Part 2

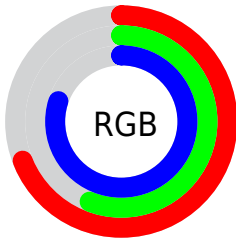
Format	Color
RYB	176, 143, 205
Decimal	11571149
CIELab	64.39, 24.23, -27.29
CIELCh	64, 36.498, 311.602
Yxy	33.2828, 0.2888, 0.2481
Android (android.graphics.Color)	4289761229 (0xFFB08FCD)
YUV	159.9350, 22.2170, 14.0890
Hunter-Lab	57.6912, 18.9239, -23.4779

Details

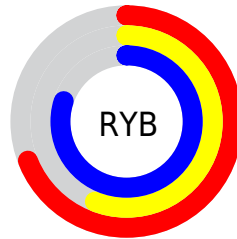
The XYZ color **38.7464, 33.2828, 62.1397** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.8036, 54.4173, 34.1830**, and the grayscale version is **33.2856, 35.0190, 38.1357**.

A 20% lighter version of the original color is **71.2950, 64.3083, 103.2628**, and **17.5814, 14.0996, 31.0730** is the 20% darker color. If you saturate the color by 10%, you get **33.8537, 26.6026, 61.1087**, and if you desaturate by 10%, it is **44.3568, 41.1694, 63.3668**.

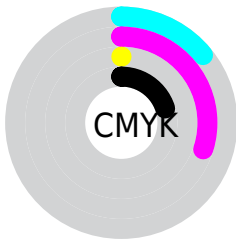
Distribution



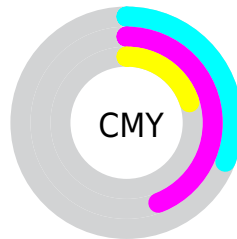
- Red (69%)
- Green (56%)
- Blue (80%)



- Red (69%)
- Yellow (56%)
- Blue (80%)



- Cyan (14%)
- Magenta (30%)
- Yellow (0%)
- Black (20%)





- Cyan (31%)
- Magenta (44%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7464, 33.2828, 62.1397 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 38.7464, 33.2828, 62.1397 by changing the saturation by 10% instead.


 38.7464, 33.2828,
62.1397


 38.7464, 33.2828,
62.1397


332.0368,
316.9221, 450.4622

 26.7423, 22.3432,
44.7091


 72.5473, 64.8168,
109.5010

 17.5154, 14.1093,
30.8871


 95.0748, 86.1800,
140.2687

 10.7002, 8.1967,
20.2551


121.8409,
111.7864, 176.3192

 5.9314, 4.2211,
12.3947

153.2109,
142.0206, 218.0710

 2.8437, 1.7980,
6.8873

189.5501,
177.2669, 265.9427

 1.0716, 0.4859,
3.3143

231.2240,

 0.0012, 0.0000,

217.9096, 320.3527

1.2573

278.5977,
264.3332, 381.7197

■ 0.0000, 0.0000,
0.0264

■ 0.0000, 0.0000,
0.0000

■ 38.7464, 33.2828,
62.1397

■ 38.7464, 33.2828,
62.1397

■ 33.8537, 26.6026,
61.1087

■ 44.3568, 41.1694,
63.3668

■ 29.6416, 21.0617,
60.2612

■ 50.7130, 50.3165,
64.7974

■ 26.0744, 16.5926,
59.5866

■ 57.8454, 60.7797,
66.4410

■ 23.1113, 13.1188,
59.0723

■ 65.7818, 72.6104,
68.3063

■ 20.7062, 10.5532,
58.7038

■ 74.5485, 85.8568,
70.4011

■ 18.8048, 8.7927,
58.4642

■ 80.5588, 93.3416,
71.5290

■ 17.3401, 7.6662,
58.3240

■ 83.7845, 95.0045,
71.6800

■ 87.1830, 96.7566,
71.8390

■ 88.0196, 97.1878,
71.8782

Harmonies

Analogous

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



33.6875, 33.2828, 72.1394



38.7464, 33.2828, 62.1397



42.0994, 33.2828, 46.0470

Triad

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



38.7464, 33.2828, 62.1397



34.8954, 33.2828, 15.2963



22.8177, 33.2828, 42.3071

Complementary

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



38.7464, 33.2828, 62.1397



43.8036, 54.4173, 34.1830

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.



23.0653, 33.2828, 27.9336



38.7464, 33.2828, 62.1397



29.6662, 33.2828, 14.8073

Square

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



38.7464, 33.2828, 62.1397



39.7136, 33.2828, 20.3608



25.4505, 33.2828, 18.7701



24.7325, 33.2828, 58.7645

Rectangle

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



38.7464, 33.2828, 62.1397



42.7159, 33.2828, 35.4450



25.4505, 33.2828, 18.7701



22.6570, 33.2828, 37.0454

Sweetspot

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



38.7475, 33.2842, 62.1404



84.3210, 84.2420, 106.4239



37.2855, 40.1230, 63.5375



17.6984, 17.5225, 22.6993



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.



38.7475, 33.2842, 62.1404



58.3517, 47.4916, 100.6991



45.8953, 36.9834, 61.8259



11.1623, 11.1330, 14.1309



10.9055, 4.8295, 36.3137



0.6497, 0.2941, 1.8775

Inverse Universe

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



42.4467, 35.6040, 43.6661



65.5302, 51.9885, 65.0621



38.1967, 51.5178, 34.3311



11.4270, 11.2996, 12.7834



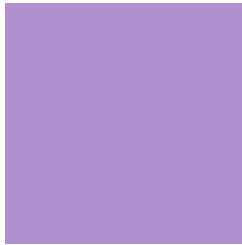
17.0318, 8.6233, 7.8863



0.9169, 0.4602, 0.6081

Previews

White Background



This preview shows how the XYZ color 38.7464, 33.2828, 62.1397 looks on a white background.

Color Contrast Check

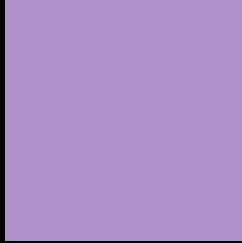
Large Text (above 18pt) WCAG AA × Fail

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 38.7464, 33.2828, 62.1397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

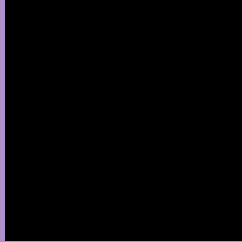
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.7464, 33.2828, 62.1397

Background



This preview shows how black text looks on a background with the XYZ color 38.7464, 33.2828, 62.1397.



This preview shows how white text looks on a background with the XYZ color 38.7464, 33.2828,

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

38.7464, 33.2828, 62.1397

Protanopia

34.2133, 33.4043, 67.5952

Deuteranopia

34.1892, 33.5340, 61.1707



Tritanopia

34.0397, 33.2126, 39.2669

Trichromacy



Original Color

38.7464, 33.2828, 62.1397

Protanomaly

35.4881, 33.1412, 65.4992

Deuteranomaly

35.7101, 33.3404, 61.6800

Tritanomaly

35.6390, 33.1648, 46.6425

Monochromacy



Original Color

38.7464, 33.2828, 62.1397

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

35.1180, 34.3528, 45.8541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7464, 33.2828, 62.1397 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(176, 143, 205)` looks like.

```
.text, #text, p{  
    color:rgb(176, 143, 205)  
}
```

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(176, 143, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 143, 205) }
```

Border

The CSS property to change the border of an element to XYZ 38.7464, 33.2828, 62.1397 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(176, 143, 205) }
```


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

```
.border{ border-color:rgb(176, 143, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 143, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 143, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 143, 205);  
box-shadow:4px 4px 4px 4px rgb(176, 143,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7464, 33.2828, 62.1397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 143, 205) }
```

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

```
.background{ background-color: rgb(176,  
143, 205) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor