

Converting Colors

XYZ(42.8073, 33.7070, 61.0739)

Have a look what the booklet for
XYZ(42.8073, 33.7070, 61.0739)
contains.

XYZ(42.8518, 33.6933, 61.3717)	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(42.8518, 33.6933,
61.3717)**

Conversions

Conversions Part 1

Format	Color
Hex	C687CC
RGB	198, 135, 204
RGB Percent	78%, 53%, 80%
CMY	0.2235, 0.4706, 0.2000
CMYK	0.03, 0.34, 0.00, 0.20
HSL	295°, 40%, 66%
HSV	295°, 34%, 80%
XYZ	42.8518, 33.6933, 61.3717
YIQ	161.7030, 15.3990, 34.8150

Conversions

Conversions Part 2

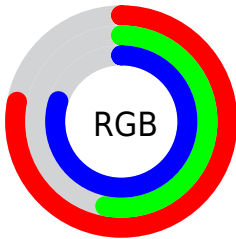
Format	Color
R _{YB}	198, 135, 204
Decimal	13010892
CIE _{Lab}	64.72, 35.47, -26.04
CIE _{LCh}	65, 44.003, 323.718
Yxy	33.6933, 0.3107, 0.2443
Android (android.graphics.Color)	4291200972 (0xFFC687CC)
YUV	161.7030, 20.8524, 31.8325
Hunter-Lab	58.0459, 30.1954, -22.0549

Details

The XYZ color **42.8518, 33.6933, 61.3717** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **36.9516, 50.5985, 30.7421**, and the grayscale version is **34.1053, 35.8814, 39.0749**.

A 20% lighter version of the original color is **77.4876, 64.8752, 103.0459**, and **20.0030, 14.3823, 30.5759** is the 20% darker color. If you saturate the color by 10%, you get **39.8092, 28.2974, 60.4910**, and if you desaturate by 10%, it is **46.4474, 40.1856, 62.4358**.

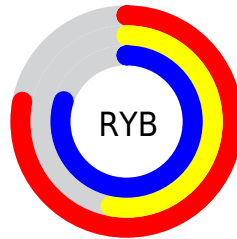
Distribution



Red (78%)

Green (53%)

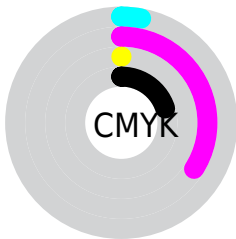
Blue (80%)



Red (78%)

Yellow (53%)

Blue (80%)

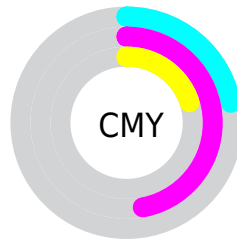


Cyan (3%)

Magenta (34%)

Yellow (0%)

Black (20%)



Cyan (22%)


Magenta (47%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8518, 33.6933, 61.3717 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 42.8518, 33.6933, 61.3717 by changing the saturation by 10% instead.


 42.8518, 33.6933,
61.3717


 42.8518, 33.6933,
61.3717


348.9338,
318.7623, 447.5798


 29.9629, 22.6581,
44.0927


 78.7443, 65.4564,
108.3797

 19.9583, 14.3412,
30.4057


 102.4785, 86.9532,
138.9458

 12.4729, 8.3584,
19.8920

 130.5586,
112.7058, 174.7780

 7.1411, 4.3251,
12.1333

163.3499,
143.0988, 216.2949

 3.5976, 1.8570,
6.7109

201.2177,
178.5166, 263.9150

 1.4771, 0.5224,
3.2063

244.5274,

 0.3102, 0.0000,

219.3435, 318.0568

1.2009

293.6443,
265.9639, 379.1389

■ 0.0000, 0.0000,
0.0000

■ 42.8518, 33.6933,
61.3717

■ 42.8518, 33.6933,
61.3717

■ 39.8092, 28.2974,
60.4910

■ 46.4474, 40.1856,
62.4358

■ 37.2850, 23.9309,
59.7813

■ 50.6215, 47.8274,
63.6908

■ 35.2458, 20.5266,
59.2316


■ 55.4019, 56.6737,
65.1464


■ 33.6532, 18.0071,
58.8293


■ 60.8137, 66.7746,
66.8108


■ 32.4624, 16.2834,
58.5593


■ 66.8806, 78.1774,
68.6920


 31.6196, 15.2477,
58.4038

 72.8531, 89.3831,
70.5402

 31.2130, 14.8318,
58.3450

 73.3567, 89.6427,
70.5637

 73.8658, 89.9052,
70.5876

 74.3806, 90.1706,
70.6117

Harmonies

Analogous

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



37.1648, 33.6933, 78.6578



42.8518, 33.6933, 61.3717



45.6841, 33.6933, 40.6272

Triad

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



42.8518, 33.6933, 61.3717



33.3725, 33.6933, 11.8288



22.1385, 33.6933, 52.5392

Complementary

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



42.8518, 33.6933, 61.3717



36.9516, 50.5985, 30.7421

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.



21.4015, 33.6933, 33.0088



42.8518, 33.6933, 61.3717



27.3815, 33.6933, 13.1596

Square

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



42.8518, 33.6933, 61.3717



39.7662, 33.6933, 15.1770



23.1943, 33.6933, 19.7066



25.3589, 33.6933, 72.4950

Rectangle

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



42.8518, 33.6933, 61.3717



45.3382, 33.6933, 29.0373



23.1943, 33.6933, 19.7066



21.6114, 33.6933, 45.5728

Sweetspot

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



42.8529, 33.6948, 61.3724



86.6369, 84.3776, 106.3280



30.5502, 28.8283, 61.0815



18.3089, 17.6264, 22.6872



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.



42.8529, 33.6948, 61.3724



67.0026, 48.7531, 100.4866



41.4430, 33.3171, 45.5298



11.5876, 11.3522, 14.1508



19.6854, 9.3557, 36.7246



1.0445, 0.4976, 1.8959

Inverse Universe

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



38.3746, 32.0898, 29.3719



58.5233, 45.7386, 38.7912



38.1607, 50.9675, 42.2905



11.2513, 11.2292, 11.8578



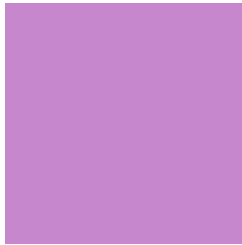
15.7556, 8.1128, 1.1658



0.8268, 0.4241, 0.1338

Previews

White Background



This preview shows how the XYZ color 42.8518, 33.6933, 61.3717 looks on a white background.

Color Contrast Check

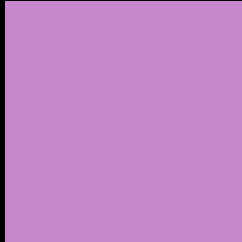
Large Text (above 18pt) WCAG AA × Fail

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 42.8518, 33.6933, 61.3717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

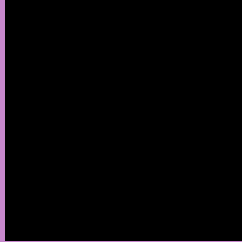
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.8518, 33.6933, 61.3717

Background



This preview shows how black text looks on a background with the XYZ color 42.8518, 33.6933, 61.3717.



This preview shows how white text looks on a background with the XYZ color 42.8518, 33.6933,

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

42.8518, 33.6933, 61.3717

Protanopia

34.9888, 33.9604, 71.7287

Deuteranopia

34.5586, 33.7654, 59.3395



Tritanopia

37.6120, 33.7275, 35.9802

Trichromacy



Original Color

42.8518, 33.6933, 61.3717

Protanomaly

37.2247, 33.5084, 68.1241

Deuteranomaly

36.9127, 33.3000, 59.7404

Tritanomaly

39.3158, 33.5362, 43.9361

Monochromacy



Original Color

42.8518, 33.6933, 61.3717

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

36.8432, 34.7448, 46.3595

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8518, 33.6933, 61.3717 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(198, 135, 204)` looks like.

```
.text, #text, p{  
    color:rgb(198, 135, 204)  
}
```

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(198, 135, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 135, 204) }
```

Border

The CSS property to change the border of an element to XYZ 42.8518, 33.6933, 61.3717 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(198, 135, 204) }
```


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

```
.border{ border-color:rgb(198, 135, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 135, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 135, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 135, 204);  
box-shadow:4px 4px 4px 4px rgb(198, 135,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8518, 33.6933, 61.3717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 135, 204) }
```

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

```
.background{ background-color: rgb(198,  
135, 204) }
```

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