

Converting Colors

XYZ(32.9870, 25.8926, 71.0267)

Have a look what the booklet for
XYZ(32.9870, 25.8926, 71.0267)
contains.

XYZ(33.0147, 25.8587, 70.9613)	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(33.0147, 25.8587,
70.9613)**

Conversions

Conversions Part 1

Format	Color
Hex	997ADC
RGB	153, 122, 220
RGB Percent	60%, 48%, 86%
CMY	0.4000, 0.5216, 0.1373
CMYK	0.30, 0.45, 0.00, 0.14
HSL	259°, 58%, 67%
HSV	259°, 45%, 86%
XYZ	33.0147, 25.8587, 70.9613
YIQ	142.4410, -12.9820, 37.0500

Conversions

Conversions Part 2

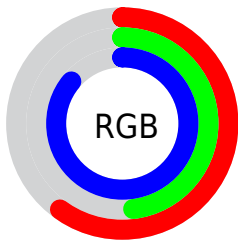
Format	Color
RYB	153, 122, 220
Decimal	10058460
CIELab	57.90, 32.93, -45.98
CIELCh	58, 56.556, 305.606
Yxy	25.8587, 0.2543, 0.1992
Android (android.graphics.Color)	4288248540 (0xFF997ADC)
YUV	142.4410, 38.2366, 9.2602
Hunter-Lab	50.8515, 26.8990, -47.1410

Details

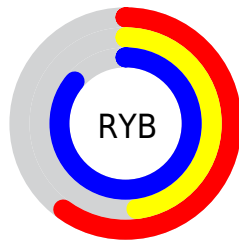
The XYZ color **33.0147, 25.8587, 70.9613** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **50.0927, 63.4108, 28.0126**, and the grayscale version is **25.7435, 27.0842, 29.4947**.

A 20% lighter version of the original color is **59.6745, 51.4353, 101.3906**, and **14.2290, 10.0981, 36.3211** is the 20% darker color. If you saturate the color by 10%, you get **27.9508, 19.6823, 70.0365**, and if you desaturate by 10%, it is **39.0498, 33.4443, 72.1079**.

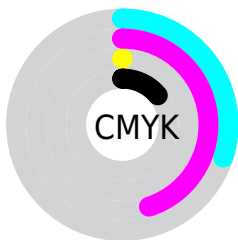
Distribution



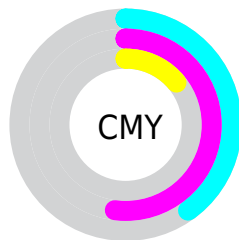
- Red (60%)
- Green (48%)
- Blue (86%)



- Red (60%)
- Yellow (48%)
- Blue (86%)



- Cyan (30%)
- Magenta (45%)
- Yellow (0%)
- Black (14%)



- Cyan (40%)
- Magenta (52%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0147, 25.8587, 70.9613 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 33.0147, 25.8587, 70.9613 by changing the saturation by 10% instead.

■ 33.0147, 25.8587,
70.9613

■ 33.0147, 25.8587,
70.9613

307.3798,
282.0878, 482.7982

■ 22.2970, 16.7180,
51.8290

■ 63.7530, 53.0469,
122.2726

■ 14.1931, 10.0336,
36.4875

■ 84.5043, 71.8632,
155.2886

■ 8.3377, 5.4212,
24.5182

■ 109.3309, 94.6734,
193.7696

■ 4.3654, 2.4965,
15.5028

138.5980,
121.8620, 238.1341

■ 1.9109, 0.8749,
9.0225

172.6711,
153.8133, 288.8007

■ 0.5831, 0.0000,
4.6588

211.9156,

■ 0.0000, 0.0000,

190.9118, 346.1878

1.9933

256.6967,
233.5418, 410.7142

■ 0.0000, 0.0000,
0.5511

■ 0.0000, 0.0000,
0.0000

■ 33.0147, 25.8587,
70.9613

■ 33.0147, 25.8587,
70.9613

■ 27.9508, 19.6823,
70.0365

■ 39.0498, 33.4443,
72.1079

■ 23.8001, 14.8217,
69.3171

■ 46.1036, 42.5184,
73.4876

■ 20.5026, 11.1766,
68.7873

■ 54.2239, 53.1578,
75.1132

■ 17.9886, 8.6304,
68.4283

■ 63.4543, 65.4329,
76.9960

■ 16.1754, 7.0416,
68.2172

■ 73.8362, 79.4100,
79.1467

■ 15.4150, 6.4544,
68.1440

■ 85.4085, 95.1515,
81.5752

■ 89.9184, 97.9473,
81.8771

Harmonies

Analogous

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



25.8791, 25.8587, 84.3774



33.0147, 25.8587, 70.9613



38.5320, 25.8587, 46.6518

Triad

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



33.0147, 25.8587, 70.9613



30.3907, 25.8587, 5.9537



13.7160, 25.8587, 31.9796

Complementary

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



33.0147, 25.8587, 70.9613



50.0927, 63.4108, 28.0126

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.



14.4794, 25.8587, 15.3366



33.0147, 25.8587, 70.9613



23.3211, 25.8587, 4.8987

Square

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



33.0147, 25.8587, 70.9613



36.8317, 25.8587, 11.4825



17.7168, 25.8587, 7.3506



15.3969, 25.8587, 56.1107

Rectangle

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



33.0147, 25.8587, 70.9613



40.0774, 25.8587, 31.1266



17.7168, 25.8587, 7.3506



13.6996, 25.8587, 25.3801

Sweetspot

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



33.0157, 25.8597, 70.9619



77.5195, 76.5951, 105.3064



39.4887, 46.3930, 74.5841



16.0130, 15.6292, 22.4227



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.



33.0157, 25.8597, 70.9619



39.7716, 28.3616, 97.9859



43.8049, 31.4217, 71.4668



12.7244, 12.8161, 16.4552



9.1491, 3.8407, 39.9975



0.6804, 0.2940, 2.5953

Inverse Universe

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



45.6606, 32.8096, 52.0705



59.8533, 39.4228, 66.9055



40.1936, 58.3076, 27.5493



13.4300, 13.2011, 15.5254



20.6248, 10.2510, 18.2020



1.3746, 0.6795, 1.3814

Previews

White Background



This preview shows how the XYZ color 33.0147, 25.8587, 70.9613 looks on a white background.

Color Contrast Check

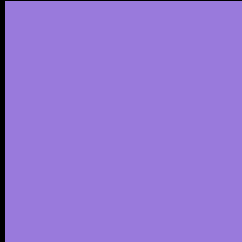
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.0147, 25.8587, 70.9613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

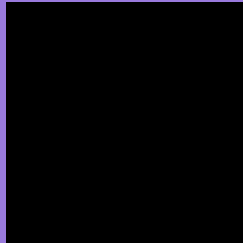
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.0147, 25.8587, 70.9613

Background



This preview shows how black text looks on a background with the XYZ color 33.0147, 25.8587, 70.9613.



This preview shows how white text looks on a background with the XYZ color 33.0147, 25.8587,

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

33.0147, 25.8587, 70.9613

Protanopia

28.6577, 26.1442, 80.6267

Deuteranopia

26.7729, 26.0758, 68.5878



Tritanopia

25.1608, 25.8359, 32.0945

Trichromacy



Original Color

33.0147, 25.8587, 70.9613

Protanomaly

29.7276, 25.7560, 76.8034

Deuteranomaly

28.5197, 25.7068, 69.1044

Tritanomaly

27.4907, 25.5270, 44.0357

Monochromacy



Original Color

33.0147, 25.8587, 70.9613

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

27.7737, 26.3412, 41.6507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0147, 25.8587, 70.9613 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(153, 122, 220)` looks like.

```
.text, #text, p{  
    color:rgb(153, 122, 220)  
}
```

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(153, 122, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 122, 220) }
```

Border

The CSS property to change the border of an element to XYZ 33.0147, 25.8587, 70.9613 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(153, 122, 220) }
```


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

```
.border{ border-color:rgb(153, 122, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 122, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 122, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 122, 220);  
box-shadow:4px 4px 4px 4px rgb(153, 122,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0147, 25.8587, 70.9613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 122, 220) }
```

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

```
.background{ background-color: rgb(153,  
122, 220) }
```

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