

Converting Colors

XYZ(33.0885, 22.7514, 51.3657)

Have a look what the booklet for
XYZ(33.0885, 22.7514, 51.3657)
contains.

XYZ(33.1428, 22.7771, 51.3648)	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(33.1428, 22.7771,
51.3648)**

Conversions

Conversions Part 1

Format	Color
Hex	B664BE
RGB	182, 100, 190
RGB Percent	71%, 39%, 75%
CMY	0.2863, 0.6078, 0.2549
CMYK	0.04, 0.47, 0.00, 0.25
HSL	295°, 41%, 57%
HSV	295°, 47%, 75%
XYZ	33.1428, 22.7771, 51.3648
YIQ	134.7780, 19.9820, 45.3740

Conversions

Conversions Part 2

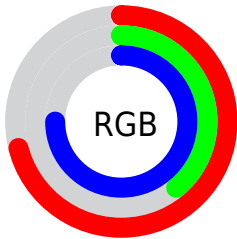
Format	Color
RYB	182, 100, 190
Decimal	11953342
CIELab	54.84, 46.57, -33.55
CIELCh	55, 57.400, 324.233
Yxy	22.7771, 0.3089, 0.2123
Android (android.graphics.Color)	4290143422 (0xFFB664BE)
YUV	134.7780, 27.2244, 41.4137
Hunter-Lab	47.7254, 40.4397, -30.4036

Details

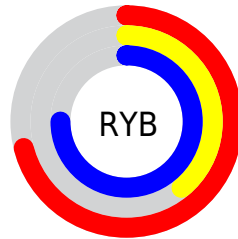
The XYZ color **33.1428, 22.7771, 51.3648** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **26.8988, 40.9357, 18.5413**, and the grayscale version is **22.8449, 24.0346, 26.1737**.

A 20% lighter version of the original color is **64.1149, 48.0231, 93.8859**, and **14.2533, 8.4035, 24.1634** is the 20% darker color. If you saturate the color by 10%, you get **31.1323, 19.3440, 50.8085**, and if you desaturate by 10%, it is **35.5846, 27.0645, 52.0640**.

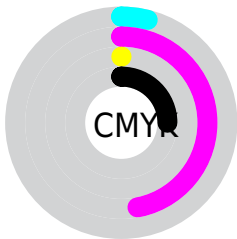
Distribution



- Red (71%)
- Green (39%)
- Blue (75%)



- Red (71%)
- Yellow (39%)
- Blue (75%)



- Cyan (4%)
- Magenta (47%)
- Yellow (0%)
- Black (25%)





- Cyan (29%)
- Magenta (61%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1428, 22.7771, 51.3648 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 33.1428, 22.7771, 51.3648 by changing the saturation by 10% instead.


 33.1428, 22.7771,
51.3648


 33.1428, 22.7771,
51.3648


307.9463,
266.5781, 408.8664


 22.3956, 14.4290,
36.1203


 63.9516, 48.0271,
93.6108


 14.2661, 8.4196,
24.2367


 84.7439, 65.6977,
121.4493

 8.3889, 4.3646,
15.2955


 109.6154, 87.2447,
154.3230

 4.3987, 1.8795,
8.8781

 138.9312,
113.0524, 192.6502

 1.9301, 0.5360,
4.5660

173.0569,
143.5052, 236.8497

 0.5942, 0.0000,
1.9407

212.3577,

 0.0000, 0.0000,

178.9874, 287.3398

0.5185

257.1991,
219.8836, 344.5392

■ 0.0000, 0.0000,
0.0000

■ 33.1428, 22.7771,
51.3648

■ 33.1428, 22.7771,
51.3648

■ 31.1323, 19.3440,
50.8085

■ 35.5846, 27.0645,
52.0640

■ 29.5207, 16.7023,
50.3835

■ 38.4825, 32.2574,
52.9136

■ 28.2750, 14.7852,
50.0791

■ 41.8621, 38.4065,
53.9223

■ 27.3555, 13.5136,
49.8821

■ 45.7464, 45.5578,
55.0980

■ 26.7057, 12.7742,
49.7737

■ 50.1570, 53.7545,
56.4476

■ 26.5528, 12.6148,
49.7509

■ 55.1142, 63.0371,
57.9781

■ 60.6372, 73.4440,
59.6957

■ 66.7443, 85.0118,
61.6067

■ 68.1329, 87.1351,
61.9433

Harmonies

Analogous

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



27.0565, 22.7771, 72.2997



33.1428, 22.7771, 51.3648



36.2093, 22.7771, 28.4825

Triad

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



33.1428, 22.7771, 51.3648



22.8991, 22.7771, 3.7432



12.3153, 22.7771, 42.0975

Complementary

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



33.1428, 22.7771, 51.3648



26.8988, 40.9357, 18.5413

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.



11.6322, 22.7771, 21.4501



33.1428, 22.7771, 51.3648



17.0147, 22.7771, 4.6282

Square

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



33.1428, 22.7771, 51.3648



29.5976, 22.7771, 5.8731



13.1770, 22.7771, 9.4633



15.2684, 22.7771, 65.3638

Rectangle

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



33.1428, 22.7771, 51.3648



35.7701, 22.7771, 17.1590



13.1770, 22.7771, 9.4633



11.8403, 22.7771, 34.4283

Sweetspot

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



33.1436, 22.7781, 51.3653



77.9694, 73.4671, 98.3503



20.0193, 17.3654, 51.0122



16.7967, 15.5370, 21.4989



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.1436, 22.7781, 51.3653



56.2348, 34.7508, 92.0228



31.6258, 22.3955, 33.2286



9.8441, 9.6520, 12.0164



17.6900, 8.4056, 33.0830



0.7177, 0.3420, 1.2970

Inverse Universe

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



28.4999, 21.1451, 16.7676



46.9959, 31.5497, 21.0316



28.1137, 41.3144, 29.7863



9.5637, 9.5498, 10.0914



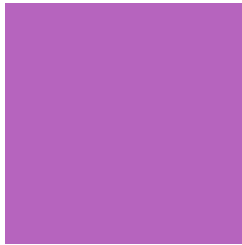
14.1999, 7.3111, 1.0801



0.5680, 0.2911, 0.1044

Previews

White Background



This preview shows how the XYZ color 33.1428, 22.7771, 51.3648 looks on a white background.

Color Contrast Check

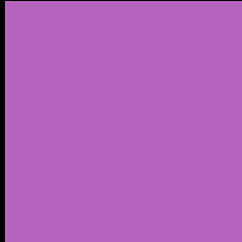
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.1428, 22.7771, 51.3648 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 33.1428, 22.7771, 51.3648

Background



This preview shows how black text looks on a background with the XYZ color 33.1428, 22.7771, 51.3648.



This preview shows how white text looks on a background with the XYZ color 33.1428, 22.7771,

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

33.1428, 22.7771, 51.3648

Protanopia

25.1530, 23.2035, 67.4430

Deuteranopia

23.4444, 22.9367, 48.5390



Tritanopia

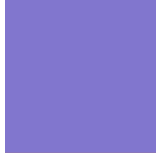
27.0024, 22.6009, 22.0080

Trichromacy



Original Color

33.1428, 22.7771, 51.3648



Protanomaly

26.6723, 22.0802, 61.2486



Deuteranomaly

25.9410, 22.1421, 49.3610



Tritanomaly

28.8257, 22.5201, 30.8445

Monochromacy



Original Color

33.1428, 22.7771, 51.3648



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

25.8248, 22.9610, 34.0812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1428, 22.7771, 51.3648 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(182, 100, 190)` looks like.

```
.text, #text, p{  
    color:rgb(182, 100, 190)  
}
```

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(182, 100, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 100, 190) }
```

Border

The CSS property to change the border of an element to XYZ 33.1428, 22.7771, 51.3648 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(182, 100, 190) }
```


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

```
.border{ border-color:rgb(182, 100, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 100, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 100, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 100, 190);  
box-shadow:4px 4px 4px 4px rgb(182, 100,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1428, 22.7771, 51.3648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 100, 190) }
```

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

```
.background{ background-color: rgb(182,  
100, 190) }
```

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