

Converting Colors

XYZ(33.2023, 22.4582, 35.8426)

Have a look what the booklet for
XYZ(33.2023, 22.4582, 35.8426)
contains.

XYZ(33.2023, 22.4582, 35.8426)	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(33.2023, 22.4582,
35.8426)**

Conversions

Conversions Part 1

Format	Color
Hex	C45FA0
RGB	196, 95, 160
RGB Percent	77%, 37%, 63%
CMY	0.2314, 0.6274, 0.3725
CMYK	0.00, 0.52, 0.18, 0.23
HSL	321°, 46%, 57%
HSV	321°, 52%, 77%
XYZ	33.2023, 22.4582, 35.8426
YIQ	132.6090, 39.3310, 41.6270

Conversions

Conversions Part 2

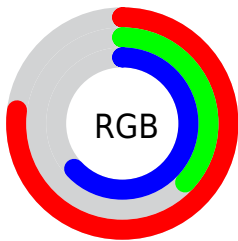
Format	Color
R _Y B	196, 95, 160
Decimal	12869536
CIE Lab	54.51, 48.22, -16.53
CIE LCh	55, 50.970, 341.081
Yxy	22.4582, 0.3629, 0.2454
Android (android.graphics.Color)	4291059616 (0xFFC45FA0)
YUV	132.6090, 13.5038, 55.5939
Hunter-Lab	47.3901, 42.1275, -11.6698

Details

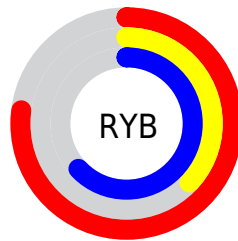
The XYZ color **33.2023, 22.4582, 35.8426** is a light color, and the websafe version is hex **CC6699**. The color can be described as light muted rose. A complement of this color would be **28.5570, 43.5521, 28.3759**, and the grayscale version is **22.0956, 23.2463, 25.3152**.

A 20% lighter version of the original color is **64.2532, 47.6612, 70.1030**, and **14.3149, 8.2440, 15.0241** is the 20% darker color. If you saturate the color by 10%, you get **31.0597, 19.1235, 32.1973**, and if you desaturate by 10%, it is **35.8248, 26.6970, 39.8178**.

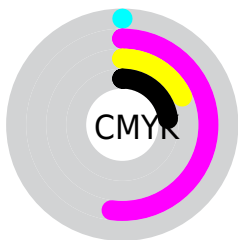
Distribution



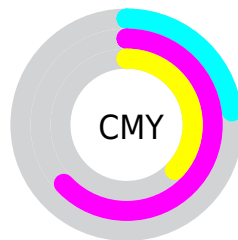
- Red (77%)
- Green (37%)
- Blue (63%)



- Red (77%)
- Yellow (37%)
- Blue (63%)



- Cyan (0%)
- Magenta (52%)
- Yellow (18%)
- Black (23%)



- Cyan (23%)
- Magenta (63%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2023, 22.4582, 35.8426 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 33.2023, 22.4582, 35.8426 by changing the saturation by 10% instead.

■ 33.2023, 22.4582,
35.8426

■ 33.2023, 22.4582,
35.8426

308.2092,
264.9299, 343.2886

■ 22.4414, 14.1940,
24.0239

■ 64.0438, 47.5021,
69.9554

■ 14.3000, 8.2557,
15.1390

■ 84.8552, 65.0506,
93.0865

■ 8.4127, 4.2590,
8.7693

■ 109.7474, 86.4627,
120.8256

■ 4.4142, 1.8195,
4.4963

■ 139.0859,
112.1227, 153.5911

■ 1.9390, 0.4993,
1.9013

173.2359,
142.4150, 191.8017

■ 0.5994, 0.0000,
0.4936

212.5629,

■ 0.0000, 0.0000,

177.7240, 235.8757

0.0000

257.4323,
218.4342, 286.2319

■ 33.2023, 22.4582,
35.8426

■ 33.2023, 22.4582,
35.8426

■ 31.0597, 19.1235,
32.1973

■ 35.8248, 26.6970,
39.8178

■ 29.3603, 16.6215,
28.8662

■ 38.9560, 31.8978,
44.1346

■ 28.0654, 14.8753,
25.8339

■ 42.6250, 38.1174,
48.8054

■ 27.1281, 13.7920,
23.0817

■ 46.8579, 45.4072,
53.8415

■ 26.5398, 13.2457,
20.9425

■ 51.6790, 53.8153,
59.2537

■ 57.1114, 63.3866,
65.0519

■ 63.1766, 74.1637,
71.2458

■ 69.8953, 86.1870,
77.8447

■ 71.8281, 88.5770,
83.0378

Harmonies

Analogous

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



29.2095, 22.4582, 55.7364



33.2023, 22.4582, 35.8426



33.7150, 22.4582, 19.0051

Triad

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



33.2023, 22.4582, 35.8426



19.3475, 22.4582, 4.9852



14.2308, 22.4582, 50.7447

Complementary

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



33.2023, 22.4582, 35.8426



28.5570, 43.5521, 28.3759

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.



12.4459, 22.4582, 30.8539



33.2023, 22.4582, 35.8426



15.0377, 22.4582, 7.8241

Square

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



33.2023, 22.4582, 35.8426



25.0207, 22.4582, 5.3716



12.7129, 22.4582, 15.7750



18.0497, 22.4582, 66.6147

Rectangle

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



33.2023, 22.4582, 35.8426



31.9280, 22.4582, 11.7635



12.7129, 22.4582, 15.7750



13.4059, 22.4582, 44.0167

Sweetspot

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



33.2030, 22.4593, 35.8430



81.9203, 77.1297, 94.0756



23.3168, 16.9447, 54.2666



17.1819, 15.9018, 19.7173



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.



33.2030, 22.4593, 35.8430



55.7731, 33.8980, 57.4203



29.6807, 21.0504, 17.2948



10.3399, 10.1846, 11.8806



17.0951, 8.5278, 13.6788



0.7705, 0.3812, 0.7588

Inverse Universe

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



33.2030, 22.4593, 35.8430



55.7731, 33.8980, 57.4203



32.7851, 45.2434, 50.6410



10.3399, 10.1846, 11.8806



17.0951, 8.5278, 13.6788



0.7705, 0.3812, 0.7588

Previews

White Background



This preview shows how the XYZ color 33.2023, 22.4582, 35.8426 looks on a white background.

Color Contrast Check

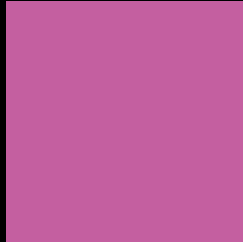
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.2023, 22.4582, 35.8426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

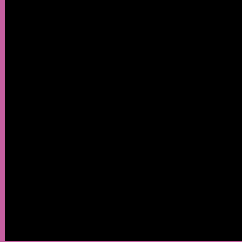
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.2023, 22.4582, 35.8426

Background



This preview shows how black text looks on a background with the XYZ color 33.2023, 22.4582, 35.8426.



This preview shows how white text looks on a background with the XYZ color 33.2023, 22.4582,

35.8426.

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

33.2023, 22.4582, 35.8426

Protanopia

23.5466, 22.7807, 49.0550

Deuteranopia

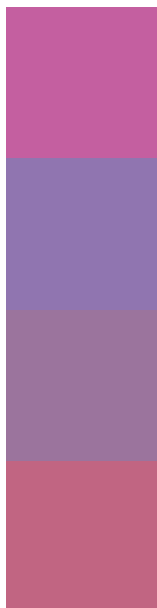
23.1513, 22.7104, 34.1737



Tritanopia

29.5181, 22.3718, 18.3852

Trichromacy



Original Color

33.2023, 22.4582, 35.8426

Protanomaly

25.6994, 21.7865, 43.9250

Deuteranomaly

25.8488, 21.8937, 34.7618

Tritanomaly

30.6753, 22.2565, 23.7983

Monochromacy



Original Color

33.2023, 22.4582, 35.8426

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

25.2651, 22.2447, 28.9487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2023, 22.4582, 35.8426 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(196, 95, 160)` looks like.

```
.text, #text, p{  
    color:rgb(196, 95, 160)  
}
```

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(196, 95, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 95, 160) }
```

Border

The CSS property to change the border of an element to XYZ 33.2023, 22.4582, 35.8426 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(196, 95, 160) }
```


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

```
.border{ border-color:rgb(196, 95, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 95, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 95, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 95, 160);  
box-shadow:4px 4px 4px 4px rgb(196, 95,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2023, 22.4582, 35.8426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 95, 160) }
```

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

```
.background{ background-color: rgb(196, 95,  
160) }
```

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