

Converting Colors

XYZ(33.2052, 23.7768, 22.8531)

Have a look what the booklet for
XYZ(33.2052, 23.7768, 22.8531)
contains.

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Color

**XYZ(33.2107, 23.7316,
22.9089)**

Conversions

Conversions Part 1

Format	Color
Hex	CB667F
RGB	203, 102, 127
RGB Percent	80%, 40%, 50%
CMY	0.2039, 0.6000, 0.5020
CMYK	0.00, 0.50, 0.37, 0.20
HSL	345°, 49%, 60%
HSV	345°, 50%, 80%
XYZ	33.2107, 23.7316, 22.9089
YIQ	135.0490, 52.1710, 29.1870

Conversions

Conversions Part 2

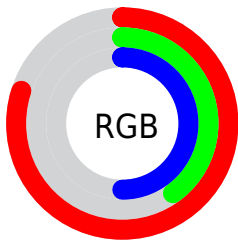
Format	Color
R_{YB}	203, 102, 127
Decimal	13330047
CIE _{Lab}	55.82, 42.61, 4.87
CIE _{LCh}	56, 42.885, 6.521
Yxy	23.7316, 0.4159, 0.2972
Android (android.graphics.Color)	4291520127 (0xFFFCB667F)
YUV	135.0490, -3.9682, 59.5930
Hunter-Lab	48.7151, 36.4380, 6.2187

Details

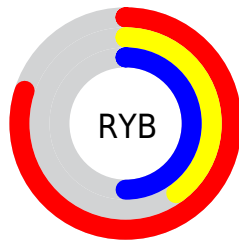
The XYZ color **33.2107, 23.7316, 22.9089** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **34.8725, 48.7515, 49.6944**, and the grayscale version is **23.0488, 24.2491, 26.4073**.

A 20% lighter version of the original color is **61.1996, 47.9980, 49.2190**, and **14.3698, 8.9423, 8.1764** is the 20% darker color. If you saturate the color by 10%, you get **30.5330, 19.8506, 17.4712**, and if you desaturate by 10%, it is **36.5290, 28.6522, 29.3054**.

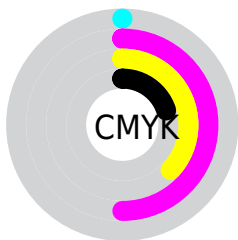
Distribution



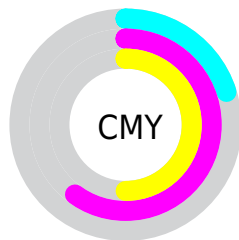
- Red (80%)
- Green (40%)
- Blue (50%)



- Red (80%)
- Yellow (40%)
- Blue (50%)



- Cyan (0%)
- Magenta (50%)
- Yellow (37%)
- Black (20%)





- Cyan (20%)
- Magenta (60%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2107, 23.7316, 22.9089 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 33.2107, 23.7316, 22.9089 by changing the saturation by 10% instead.


 33.2107, 23.7316,
22.9089


 33.2107, 23.7316,
22.9089


308.2463,
271.4607, 280.3635


 22.4479, 15.1346,
14.3216


 64.0568, 49.5919,
49.1650

 14.3048, 8.9139,
8.2034


 84.8709, 67.6239,
67.6709

 8.4161, 4.6851,
4.1357


 109.7660, 89.5699,
90.3200

 4.4164, 2.0637,
1.7001

 139.1077,
115.8140, 117.5309

 1.9403, 0.6441,
0.3608

173.2612,
146.7408, 149.7222

 0.6001, 0.0000,
0.0000

212.5919,

 0.0000, 0.0000,

182.7345, 187.3123

0.0000

257.4652,
224.1797, 230.7199

■ 33.2107, 23.7316,
22.9089

■ 33.2107, 23.7316,
22.9089

■ 30.5330, 19.8506,
17.4712

■ 36.5290, 28.6522,
29.3054

■ 28.4511, 16.9303,
12.9432

■ 40.5251, 34.6767,
36.7036

■ 26.9168, 14.8864,
9.2732


■ 45.2354, 41.8681,
45.1456


■ 25.8735, 13.6178,
6.4031


■ 50.6930, 50.2840,
54.6702


■ 25.2232, 12.9431,
4.2571


■ 56.9292, 59.9779,
65.3146

 25.2094, 12.9288,
4.2116

 63.9732, 71.0001,
77.1140

 71.8529, 83.3985,
90.1020

 77.5201, 91.0691,
103.2860

 78.4385, 91.4365,
108.1226

Harmonies

Analogous

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



32.2933, 23.7316, 38.0798



33.2107, 23.7316, 22.9089



30.9597, 23.7316, 12.9290

Triad

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



33.2107, 23.7316, 22.9089



17.4246, 23.7316, 9.7119



19.0237, 23.7316, 59.1153

Complementary

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



33.2107, 23.7316, 22.9089



34.8725, 48.7515, 49.6944

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.



15.8301, 23.7316, 45.3367



33.2107, 23.7316, 22.9089



15.0041, 23.7316, 16.5514

Square

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



33.2107, 23.7316, 22.9089



21.5082, 23.7316, 7.2914



14.4655, 23.7316, 29.0103



23.6377, 23.7316, 62.7448

Rectangle

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



33.2107, 23.7316, 22.9089



28.1326, 23.7316, 9.2923



14.4655, 23.7316, 29.0103



17.7701, 23.7316, 55.3249

Sweetspot

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



33.2113, 23.7328, 22.9093



79.7456, 76.2598, 82.6237



33.8346, 23.2514, 59.2044



16.6599, 15.6930, 16.9685



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.



33.2113, 23.7328, 22.9093



50.7150, 32.6522, 28.3883



34.6494, 28.9005, 16.3242



11.3243, 11.2585, 12.2424



16.0741, 8.2402, 2.8430



0.8604, 0.4376, 0.3109

Inverse Universe

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



33.2113, 23.7328, 22.9093



50.7150, 32.6522, 28.3883



32.1307, 38.8789, 62.3107



11.3243, 11.2585, 12.2424



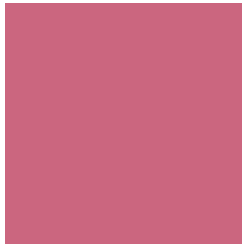
16.0741, 8.2402, 2.8430



0.8604, 0.4376, 0.3109

Previews

White Background



This preview shows how the XYZ color 33.2107, 23.7316, 22.9089 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 33.2107, 23.7316, 22.9089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

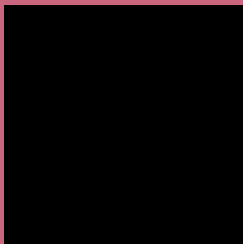
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.2107, 23.7316, 22.9089

Background



This preview shows how black text looks on a background with the XYZ color 33.2107, 23.7316, 22.9089.



This preview shows how white text looks on a background with the XYZ color 33.2107, 23.7316,

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

33.2107, 23.7316, 22.9089

Protanopia

23.3299, 23.8877, 30.1692

Deuteranopia

24.3120, 23.7811, 21.7212



Tritanopia

32.3333, 23.8296, 18.2246

Trichromacy



Original Color

33.2107, 23.7316, 22.9089

Protanomaly

25.8451, 23.1250, 27.1461

Deuteranomaly

27.0295, 23.3068, 22.1428

Tritanomaly

32.5183, 23.7415, 19.6983

Monochromacy



Original Color

33.2107, 23.7316, 22.9089

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

25.7450, 23.3054, 24.9713

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2107, 23.7316, 22.9089 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(203, 102, 127)` looks like.

```
.text, #text, p{  
    color:rgb(203, 102, 127)  
}
```

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(203, 102, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 102, 127) }
```

Border

The CSS property to change the border of an element to XYZ 33.2107, 23.7316, 22.9089 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(203, 102, 127) }
```


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

```
.border{ border-color:rgb(203, 102, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 102, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 102, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 102, 127);  
box-shadow:4px 4px 4px 4px rgb(203, 102,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2107, 23.7316, 22.9089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 102, 127) }
```

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

```
.background{ background-color: rgb(203,  
102, 127) }
```

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](#).

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