

Converting Colors

XYZ(33.4350, 21.6467, 28.1198)

Have a look what the booklet for
XYZ(33.4350, 21.6467, 28.1198)
contains.

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Color

**XYZ(33.3871, 21.5877,
27.9983)**

Conversions

Conversions Part 1

Format	Color
Hex	CD568E
RGB	205, 86, 142
RGB Percent	80%, 34%, 56%
CMY	0.1961, 0.6627, 0.4431
CMYK	0.00, 0.58, 0.31, 0.20
HSL	332°, 54%, 57%
HSV	332°, 58%, 80%
XYZ	33.3871, 21.5877, 27.9983
YIQ	127.9650, 52.9480, 42.6440

Conversions

Conversions Part 2

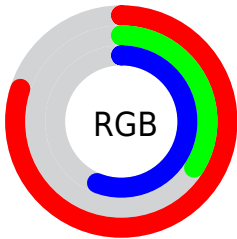
Format	Color
R_{YB}	205, 86, 142
Decimal	13457038
CIE _{Lab}	53.59, 52.85, -7.20
CIE _{LCh}	54, 53.336, 352.238
Yxy	21.5877, 0.4024, 0.2602
Android (android.graphics.Color)	4291647118 (0xFFCD568E)
YUV	127.9650, 6.9193, 67.5597
Hunter-Lab	46.4626, 46.9572, -3.2043

Details

The XYZ color **33.3871, 21.5877, 27.9983** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **31.0950, 47.8116, 36.0261**, and the grayscale version is **20.4704, 21.5365, 23.4532**.

A 20% lighter version of the original color is **60.7287, 44.2953, 57.5736**, and **14.3796, 7.8063, 10.8741** is the 20% darker color. If you saturate the color by 10%, you get **31.2031, 18.4609, 23.4437**, and if you desaturate by 10%, it is **36.1210, 25.6870, 33.1281**.

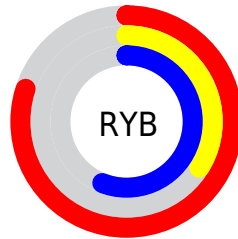
Distribution



Red (80%)

Green (34%)

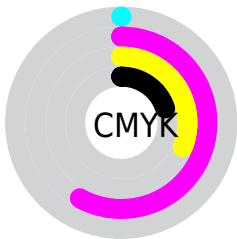
Blue (56%)



Red (80%)

Yellow (34%)

Blue (56%)

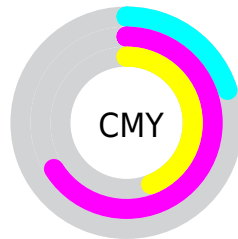


Cyan (0%)

Magenta (58%)

Yellow (31%)

Black (20%)



Cyan (20%)


Magenta (66%)


Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3871, 21.5877, 27.9983 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 33.3871, 21.5877, 27.9983 by changing the saturation by 10% instead.


 33.3871, 21.5877,
27.9983


 33.3871, 21.5877,
27.9983


309.0247,
260.3855, 306.3705


 22.5838, 13.5543,
18.0853

 64.3301, 46.0636,
57.5048


 14.4055, 7.8113,
10.8412


 85.2004, 63.2749,
77.9354

 8.4868, 3.9744,
5.8473


 110.1572, 84.3142,
102.7090

 4.4624, 1.6593,
2.6852

 139.5658,
109.5660, 132.2441

 1.9669, 0.3971,
0.9360

173.7914,
139.4146, 166.9593

 0.6153, 0.0000,
0.0000

213.1996,

 0.0000, 0.0000,

174.2445, 207.2730

0.0000

258.1555,
214.4400, 253.6039

■ 33.3871, 21.5877,
27.9983

■ 33.3871, 21.5877,
27.9983

■ 31.2031, 18.4609,
23.4437

■ 36.1210, 25.6870,
33.1281

■ 29.5235, 16.2196,
19.4375

■ 39.4416, 30.8294,
38.8555

■ 28.2981, 14.7671,
15.9514

■ 43.3844, 37.0824,
45.2027

■ 27.4528, 13.9591,
12.9485

■ 47.9815, 44.5072,
52.1905

■ 27.3097, 13.8323,
12.4095

■ 53.2629, 53.1602,
59.8383

■ 59.2563, 63.0943,
68.1646

■ 65.9882, 74.3593,
77.1873

■ 73.4835, 87.0021,
86.9233

■ 76.6178, 90.7715,
95.6730

Harmonies

Analogous

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



30.4453, 21.5877, 48.4025



33.3871, 21.5877, 27.9983



32.4092, 21.5877, 13.5255

Triad

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



33.3871, 21.5877, 27.9983



16.6485, 21.5877, 4.7911



14.5189, 21.5877, 58.0180

Complementary

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



33.3871, 21.5877, 27.9983



31.0950, 47.8116, 36.0261

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.



11.9629, 21.5877, 37.4772



33.3871, 21.5877, 27.9983



13.0246, 21.5877, 9.0603

Square

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



33.3871, 21.5877, 27.9983



22.0325, 21.5877, 4.1173



11.4716, 21.5877, 19.5207



19.0754, 21.5877, 70.2565

Rectangle

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



33.3871, 21.5877, 27.9983



29.7359, 21.5877, 8.1027



11.4716, 21.5877, 19.5207



13.4347, 21.5877, 51.5024

Sweetspot

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



33.3877, 21.5888, 27.9987



79.2685, 74.0011, 86.4861



26.4679, 17.3126, 59.7044



16.6157, 15.2681, 17.9907



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.



33.3877, 21.5888, 27.9987



50.2476, 29.0535, 36.4449



30.3458, 20.6289, 11.1879



11.4284, 11.3001, 12.7904



17.0485, 8.6300, 7.9741



0.9178, 0.4605, 0.6127

Inverse Universe

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



33.3877, 21.5888, 27.9987



50.2476, 29.0535, 36.4449



36.2178, 49.1064, 65.3273



11.4284, 11.3001, 12.7904



17.0485, 8.6300, 7.9741



0.9178, 0.4605, 0.6127

Previews

White Background



This preview shows how the XYZ color 33.3871, 21.5877, 27.9983 looks on a white background.

Color Contrast Check

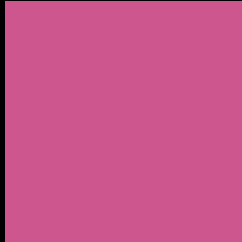
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.3871, 21.5877, 27.9983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

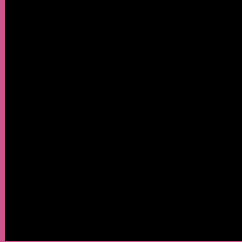
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.3871, 21.5877, 27.9983

Background



This preview shows how black text looks on a background with the XYZ color 33.3871, 21.5877, 27.9983.



This preview shows how white text looks on a background with the XYZ color 33.3871, 21.5877,

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

33.3871, 21.5877, 27.9983

Protanopia

22.0869, 21.8252, 40.5847

Deuteranopia

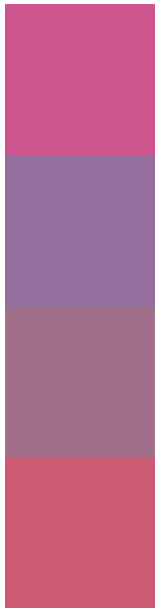
22.2588, 21.8481, 26.3365



Tritanopia

30.7983, 21.6806, 14.8734

Trichromacy



Original Color

33.3871, 21.5877, 27.9983

Protanomaly

24.4466, 20.4811, 35.4657

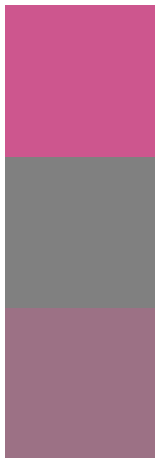
Deuteranomaly

25.1722, 20.8852, 26.7493

Tritanomaly

31.6081, 21.6118, 19.0286

Monochromacy



Original Color

33.3871, 21.5877, 27.9983

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

23.8491, 20.5716, 24.9040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3871, 21.5877, 27.9983 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(205, 86, 142)` looks like.

```
.text, #text, p{  
  color:rgb(205, 86, 142)  
}
```

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(205, 86, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 86, 142) }
```

Border

The CSS property to change the border of an element to XYZ 33.3871, 21.5877, 27.9983 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(205, 86, 142) }
```


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

```
.border{ border-color:rgb(205, 86, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 86, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 86, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 86, 142);  
box-shadow:4px 4px 4px 4px rgb(205, 86,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3871, 21.5877, 27.9983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 86, 142) }
```

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

```
.background{ background-color: rgb(205, 86,  
142) }
```

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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