

Converting Colors

XYZ(33.6067, 21.2870, 20.7499)

Have a look what the booklet for
XYZ(33.6067, 21.2870, 20.7499)
contains.

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Color

**XYZ(33.6067, 21.2870,
20.7499)**

Conversions

Conversions Part 1

Format	Color
Hex	D4517A
RGB	212, 81, 122
RGB Percent	83%, 32%, 48%
CMY	0.1686, 0.6823, 0.5216
CMYK	0.00, 0.62, 0.42, 0.17
HSL	341°, 60%, 57%
HSV	341°, 62%, 83%
XYZ	33.6067, 21.2870, 20.7499
YIQ	124.8430, 64.9150, 40.5230

Conversions

Conversions Part 2

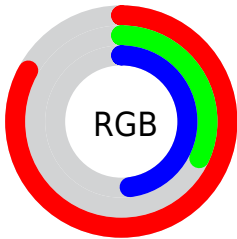
Format	Color
R_{YB}	212, 81, 122
Decimal	13914490
CIE _{Lab}	53.26, 55.02, 4.32
CIE _{LCh}	53, 55.188, 4.494
Yxy	21.2870, 0.4443, 0.2814
Android (android.graphics.Color)	4292104570 (0xFFD4517A)
YUV	124.8430, -1.4016, 76.4367
Hunter-Lab	46.1378, 49.2778, 5.6316

Details

The XYZ color **33.6067, 21.2870, 20.7499** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **34.2888, 51.7772, 46.7182**, and the grayscale version is **19.4303, 20.4422, 22.2615**.

A 20% lighter version of the original color is **57.6841, 41.9243, 45.0963**, and **14.5892, 7.6993, 7.1957** is the 20% darker color. If you saturate the color by 10%, you get **31.4340, 18.2793, 15.9017**, and if you desaturate by 10%, it is **36.4075, 25.3343, 26.4752**.

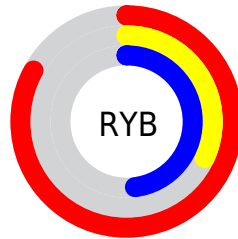
Distribution



Red (83%)

Green (32%)

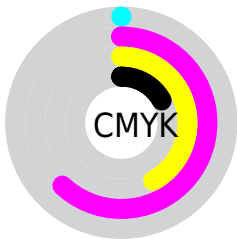
Blue (48%)



Red (83%)

Yellow (32%)

Blue (48%)

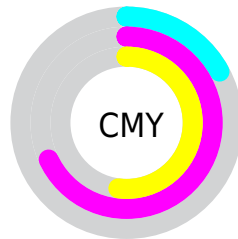


Cyan (0%)

Magenta (62%)

Yellow (42%)

Black (17%)



Cyan (17%)

Magenta (68%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6067, 21.2870, 20.7499 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 33.6067, 21.2870, 20.7499 by changing the saturation by 10% instead.


 33.6067, 21.2870,
20.7499


 33.6067, 21.2870,
20.7499


309.9916,
258.7998, 268.6836


 22.7531, 13.3340,
12.7519

 64.6699, 45.5647,
45.5463


 14.5310, 7.6589,
7.1292


 85.6103, 62.6581,
63.1817


 8.5750, 3.8775,
3.4633


 110.6436, 83.5671,
84.8667

 4.5199, 1.6053,
1.3358

 140.1351,
108.6761, 111.0198

 2.0003, 0.3611,
0.0909

 174.4504,
138.3695, 142.0594

 0.6341, 0.0000,
0.0000

213.9547,

 0.0000, 0.0000,

173.0317, 178.4043

0.0000

259.0133,
213.0470, 220.4728

■ 33.6067, 21.2870,
20.7499

■ 33.6067, 21.2870,
20.7499

■ 31.4340, 18.2793,
15.9017

■ 36.4075, 25.3343,
26.4752

■ 29.8341, 16.2104,
11.8821

■ 39.8816, 30.5029,
33.1200

■ 28.7443, 14.9651,
8.6385

■ 44.0721, 36.8701,
40.7248

■ 28.1450, 14.3945,
6.5026

■ 49.0177, 44.5055,
49.3275

■ 54.7542, 53.4731,
58.9637

■ 61.3153, 63.8329,
69.6671

■ 68.7326, 75.6409,
81.4700

■ 77.0360, 88.9503,
94.4031

■ 80.6555, 92.6147,
106.6299

Harmonies

Analogous

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



32.1432, 21.2870, 39.9513



33.6067, 21.2870, 20.7499



30.9609, 21.2870, 9.3268

Triad

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



33.6067, 21.2870, 20.7499



14.5202, 21.2870, 5.5002



15.7755, 21.2870, 65.9599

Complementary

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



33.6067, 21.2870, 20.7499



34.2888, 51.7772, 46.7182

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.



12.3223, 21.2870, 46.5551



33.6067, 21.2870, 20.7499



11.7013, 21.2870, 11.9117

Square

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



33.6067, 21.2870, 20.7499



19.3661, 21.2870, 3.6351



10.9815, 21.2870, 25.7883



21.1247, 21.2870, 72.2400

Rectangle

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



33.6067, 21.2870, 20.7499



27.4740, 21.2870, 5.6258



10.9815, 21.2870, 25.7883



14.3906, 21.2870, 60.4130

Sweetspot

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



33.6073, 21.2881, 20.7503



76.5902, 70.9264, 78.5586



31.5166, 19.2434, 64.3407



15.8835, 14.3876, 15.9472



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.



33.6073, 21.2881, 20.7503



46.9300, 26.6813, 22.1968



33.6908, 24.6990, 10.7777



12.5817, 12.4842, 13.7377



17.4153, 8.9024, 4.2252



1.0874, 0.5517, 0.4494

Inverse Universe

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



33.6073, 21.2881, 20.7503



46.9300, 26.6813, 22.1968



33.2576, 42.4630, 68.7308



12.5817, 12.4842, 13.7377



17.4153, 8.9024, 4.2252



1.0874, 0.5517, 0.4494

Previews

White Background



This preview shows how the XYZ color 33.6067, 21.2870, 20.7499 looks on a white background.

Color Contrast Check

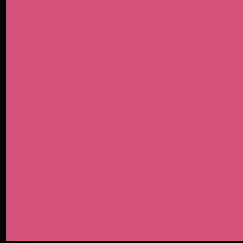
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.6067, 21.2870, 20.7499 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 33.6067, 21.2870, 20.7499

Background



This preview shows how black text looks on a background with the XYZ color 33.6067, 21.2870, 20.7499.



This preview shows how white text looks on a background with the XYZ color 33.6067, 21.2870,

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

33.6067, 21.2870, 20.7499

Protanopia

21.3264, 21.6338, 31.4855

Deuteranopia

21.7369, 21.3562, 19.4995



Tritanopia

31.9623, 21.3083, 12.7842

Trichromacy



Original Color

33.6067, 21.2870, 20.7499

Protanomaly

23.9464, 20.0839, 27.0406

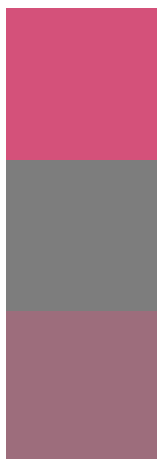
Deuteranomaly

24.9948, 20.4681, 19.7729

Tritanomaly

32.6112, 21.3454, 15.4980

Monochromacy



Original Color

33.6067, 21.2870, 20.7499

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

23.0114, 19.5606, 21.6315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6067, 21.2870, 20.7499 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(212, 81, 122)` looks like.

```
.text, #text, p{  
    color:rgb(212, 81, 122)  
}
```

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(212, 81, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 81, 122) }
```

Border

The CSS property to change the border of an element to XYZ 33.6067, 21.2870, 20.7499 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(212, 81, 122) }
```


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

```
.border{ border-color:rgb(212, 81, 122) }
```

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

Here you see how a box with a 4 pixel rgb(212, 81, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 81, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 81, 122);  
box-shadow:4px 4px 4px 4px rgb(212, 81,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6067, 21.2870, 20.7499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 81, 122) }
```

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

```
.background{ background-color: rgb(212, 81,  
122) }
```

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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