

Converting Colors

XYZ(33.5694, 20.2404, 28.4682)

Have a look what the booklet for
XYZ(33.5694, 20.2404, 28.4682)
contains.

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Color

**XYZ(33.7111, 20.3340,
28.5336)**

Conversions

Conversions Part 1

Format	Color
Hex	D14990
RGB	209, 73, 144
RGB Percent	82%, 29%, 56%
CMY	0.1804, 0.7137, 0.4353
CMYK	0.00, 0.65, 0.31, 0.18
HSL	329°, 60%, 55%
HSV	329°, 65%, 82%
XYZ	33.7111, 20.3340, 28.5336
YIQ	121.7580, 58.2650, 50.9130

Conversions

Conversions Part 2

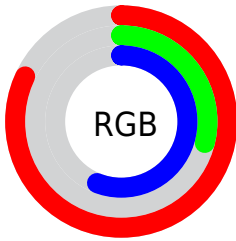
Format	Color
R_{YB}	209, 73, 144
Decimal	13715856
CIE _{Lab}	52.21, 59.91, -10.38
CIE _{LCh}	52, 60.800, 350.172
Yxy	20.3340, 0.4082, 0.2462
Android (android.graphics.Color)	4291905936 (0xFFD14990)
YUV	121.7580, 10.9653, 76.5112
Hunter-Lab	45.0932, 54.5310, -5.9516

Details

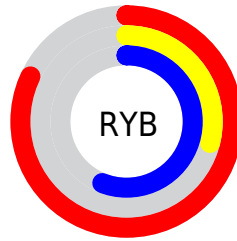
The XYZ color **33.7111, 20.3340, 28.5336** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **30.1368, 48.8530, 31.8888**, and the grayscale version is **18.3729, 19.3297, 21.0500**.

A 20% lighter version of the original color is **59.2833, 41.0377, 58.2226**, and **14.5981, 7.2922, 11.2278** is the 20% darker color. If you saturate the color by 10%, you get **31.8312, 17.7425, 24.3052**, and if you desaturate by 10%, it is **36.1210, 23.8771, 33.2724**.

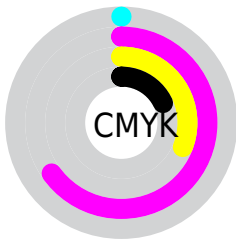
Distribution



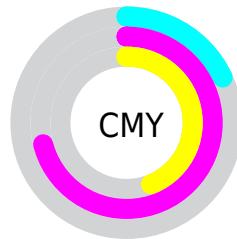
- Red (82%)
- Green (29%)
- Blue (56%)



- Red (82%)
- Yellow (29%)
- Blue (56%)



- Cyan (0%)
- Magenta (65%)
- Yellow (31%)
- Black (18%)





- Cyan (18%)
- Magenta (71%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7111, 20.3340, 28.5336 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 33.7111, 20.3340, 28.5336 by changing the saturation by 10% instead.

 33.7111, 20.3340,
28.5336


 33.7111, 20.3340,
28.5336


310.4506,
253.7176, 308.9997

 22.8336, 12.6381,
18.4857


 64.8314, 43.9765,
58.3686


 14.5907, 7.1798,
11.1263


 85.8050, 60.6918,
78.9927


 8.6171, 3.5748,
6.0366


 110.8745, 81.1823,
103.9794

 4.5474, 1.4387,
2.7982

 140.4055,
105.8325, 133.7472

 2.0162, 0.2450,
0.9925

 174.7632,
135.0267, 168.7146

 0.6430, 0.0000,
0.0000

214.3131,

 0.0000, 0.0000,

169.1494, 209.3001

0.0000

259.4204,
208.5849, 255.9223

■ 33.7111, 20.3340,
28.5336

■ 33.7111, 20.3340,
28.5336

■ 31.8312, 17.7425,
24.3052

■ 36.1210, 23.8771,
33.2724

■ 30.4295, 16.0020,
20.5607

■ 39.1024, 28.4526,
38.5432

■ 29.4455, 14.9947,
17.2714

■ 42.6946, 34.1362,
44.3672

■ 29.0606, 14.6618,
15.7961

■ 46.9327, 40.9957,
50.7639

■ 51.8490, 49.0933,
57.7515

■ 57.4736, 58.4868,
65.3473

■ 63.8347, 69.2304,
73.5678

■ 70.9591, 81.3752,
82.4287

■ 76.8924, 91.0105,
91.2852

Harmonies

Analogous

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



30.0742, 20.3340, 52.2184



33.7111, 20.3340, 28.5336



32.9069, 20.3340, 12.2847

Triad

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



33.7111, 20.3340, 28.5336



15.4801, 20.3340, 3.0196



12.6199, 20.3340, 60.3654

Complementary

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



33.7111, 20.3340, 28.5336



30.1368, 48.8530, 31.8888

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.



10.1158, 20.3340, 36.2177



33.7111, 20.3340, 28.5336



11.5040, 20.3340, 6.6260

Square

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



33.7111, 20.3340, 28.5336



21.4464, 20.3340, 2.6147



9.7568, 20.3340, 16.7813



17.3518, 20.3340, 76.1342

Rectangle

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



33.7111, 20.3340, 28.5336



30.0121, 20.3340, 6.5555



9.7568, 20.3340, 16.7813



11.5368, 20.3340, 52.4991

Sweetspot

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



33.7117, 20.3351, 28.5340



77.2036, 70.1940, 84.8027



24.1217, 14.6433, 61.8769



16.0661, 14.2709, 17.4935



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.



33.7117, 20.3351, 28.5340



48.9983, 26.6338, 35.7851



30.0364, 18.8649, 9.1799



12.0628, 11.9099, 13.6065



17.9680, 9.0600, 10.0035



1.0446, 0.5226, 0.7699

Inverse Universe

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



33.7117, 20.3351, 28.5340



48.9983, 26.6338, 35.7851



36.5040, 51.3999, 65.4182



12.0628, 11.9099, 13.6065



17.9680, 9.0600, 10.0035



1.0446, 0.5226, 0.7699

Previews

White Background



This preview shows how the XYZ color 33.7111, 20.3340, 28.5336 looks on a white background.

Color Contrast Check

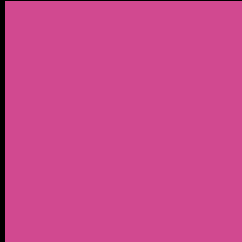
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.7111, 20.3340, 28.5336 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 33.7111, 20.3340, 28.5336

Background



This preview shows how black text looks on a background with the XYZ color 33.7111, 20.3340, 28.5336.



This preview shows how white text looks on a background with the XYZ color 33.7111, 20.3340,

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

33.7111, 20.3340, 28.5336

Protanopia

21.4040, 20.6087, 45.4976

Deuteranopia

20.9906, 20.6307, 26.5427



Tritanopia

30.3930, 20.3900, 12.2313

Trichromacy



Original Color

33.7111, 20.3340, 28.5336

Protanomaly

23.6116, 18.8761, 38.4754

Deuteranomaly

24.1811, 19.2677, 27.2555

Tritanomaly

31.2105, 20.1325, 16.9928

Monochromacy



Original Color

33.7111, 20.3340, 28.5336

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

22.3060, 18.3824, 23.4916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7111, 20.3340, 28.5336 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(209, 73, 144)` looks like.

```
.text, #text, p{  
    color:rgb(209, 73, 144)  
}
```

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(209, 73, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 73, 144) }
```

Border

The CSS property to change the border of an element to XYZ 33.7111, 20.3340, 28.5336 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(209, 73, 144) }
```


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

```
.border{ border-color:rgb(209, 73, 144) }
```

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

Here you see how a box with a 4 pixel rgb(209, 73, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 73, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 73, 144);  
box-shadow:4px 4px 4px 4px rgb(209, 73,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7111, 20.3340, 28.5336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 73, 144) }
```

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

```
.background{ background-color: rgb(209, 73,  
144) }
```

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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