

Converting Colors

XYZ(33.1266, 20.6618, 16.8879)

Have a look what the booklet for
XYZ(33.1266, 20.6618, 16.8879)
contains.

XYZ(33.1999, 20.7297, 17.0033)	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(33.1999, 20.7297,
17.0033)**

Conversions

Conversions Part 1

Format	Color
Hex	D64D6E
RGB	214, 77, 110
RGB Percent	84%, 30%, 43%
CMY	0.1608, 0.6980, 0.5686
CMYK	0.00, 0.64, 0.49, 0.16
HSL	346°, 63%, 57%
HSV	346°, 64%, 84%
XYZ	33.1999, 20.7297, 17.0033
YIQ	121.7250, 71.0590, 39.3070

Conversions

Conversions Part 2

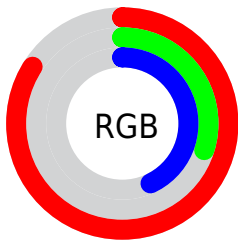
Format	Color
R_{YB}	214, 77, 110
Decimal	14044526
CIE Lab	52.65, 56.21, 10.66
CIE LCh	53, 57.217, 10.742
Yxy	20.7297, 0.4680, 0.2922
Android (android.graphics.Color)	4292234606 (0xFFD64D6E)
YUV	121.7250, -5.7804, 80.9252
Hunter-Lab	45.5299, 50.4830, 9.7288

Details

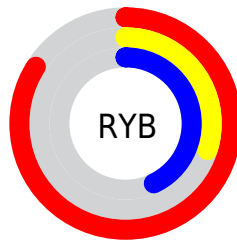
The XYZ color **33.1999, 20.7297, 17.0033** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **35.4490, 53.0076, 52.0832**, and the grayscale version is **18.4121, 19.3709, 21.0949**.

A 20% lighter version of the original color is **56.0606, 40.6083, 38.6017**, and **14.2996, 7.3809, 5.3736** is the 20% darker color. If you saturate the color by 10%, you get **31.1361, 17.8904, 12.3442**, and if you desaturate by 10%, it is **35.9193, 24.6208, 22.6814**.

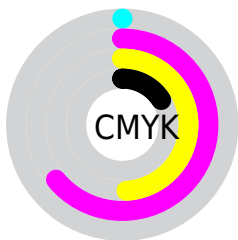
Distribution



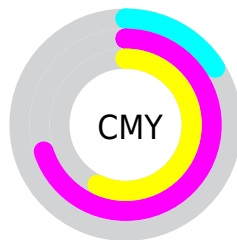
- Red (84%)
- Green (30%)
- Blue (43%)



- Red (84%)
- Yellow (30%)
- Blue (43%)



- Cyan (0%)
- Magenta (64%)
- Yellow (49%)
- Black (16%)





- Cyan (16%)
- Magenta (70%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1999, 20.7297, 17.0033 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 33.1999, 20.7297, 17.0033 by changing the saturation by 10% instead.

 33.1999, 20.7297,
17.0033


 33.1999, 20.7297,
17.0033


308.1986,
255.8385, 247.2360

 22.4396, 12.9266,
10.0749


 64.0401, 44.6372,
39.1222


 14.2987, 7.3780,
5.3424


 84.8507, 61.5104,
55.1497


 8.4118, 3.6996,
2.3873


 109.7421, 82.1758,
75.0473

 4.4136, 1.5070,
0.7795

 139.0796,
107.0177, 99.2336

 1.9387, 0.2936,
0.0000

 173.2287,
136.4205, 128.1271

 0.5992, 0.0000,
0.0000

212.5547,

 0.0000, 0.0000,

170.7686, 162.1463

0.0000

257.4228,
210.4465, 201.7097

■ 33.1999, 20.7297,
17.0033

■ 33.1999, 20.7297,
17.0033

■ 31.1361, 17.8904,
12.3442

■ 35.9193, 24.6208,
22.6814

■ 29.6670, 15.9951,
8.6394

■ 39.3445, 29.6508,
29.4352

■ 28.7223, 14.9188,
5.8178

■ 43.5225, 35.9015,
37.3181

■ 28.3409, 14.5399,
4.5073

■ 48.4956, 43.4462,
46.3798

■ 54.3031, 52.3523,
56.6667

■ 60.9815, 62.6827,
68.2229

■ 68.5652, 74.4963,
81.0900

■ 77.0866, 87.8485,
95.3080

■ 81.5414, 93.0361,
108.2678

Harmonies

Analogous

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



32.5818, 20.7297, 35.1793



33.1999, 20.7297, 17.0033



29.6927, 20.7297, 7.2393

Triad

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



33.1999, 20.7297, 17.0033



13.1454, 20.7297, 5.7455



16.1687, 20.7297, 69.7177

Complementary

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



33.1999, 20.7297, 17.0033



35.4490, 53.0076, 52.0832

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.



12.2503, 20.7297, 51.3824



33.1999, 20.7297, 17.0033



10.7631, 20.7297, 13.4052

Square

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



33.1999, 20.7297, 17.0033



17.6485, 20.7297, 3.2676



10.4722, 20.7297, 29.2383



21.9110, 20.7297, 72.4198

Rectangle

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



33.1999, 20.7297, 17.0033



25.8333, 20.7297, 4.3647



10.4722, 20.7297, 29.2383



14.6284, 20.7297, 64.8634

Sweetspot

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



33.2004, 20.7308, 17.0037



76.1275, 70.7413, 76.1217



33.5567, 19.8375, 65.6785



15.7732, 14.3435, 15.3659



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.



33.2004, 20.7308, 17.0037



45.3843, 25.3914, 16.1277



34.7838, 26.2569, 10.2575



12.5446, 12.4694, 13.5423



17.1647, 8.8022, 2.9056



1.0682, 0.5441, 0.3486

Inverse Universe

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



33.2004, 20.7308, 17.0037



45.3843, 25.3914, 16.1277



31.4700, 38.9756, 69.4825



12.5446, 12.4694, 13.5423



17.1647, 8.8022, 2.9056



1.0682, 0.5441, 0.3486

Previews

White Background



This preview shows how the XYZ color 33.1999, 20.7297, 17.0033 looks on a white background.

Color Contrast Check

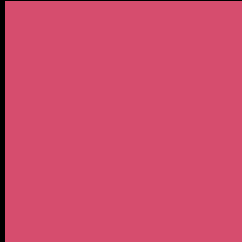
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.1999, 20.7297, 17.0033 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 33.1999, 20.7297, 17.0033

Background



This preview shows how black text looks on a background with the XYZ color 33.1999, 20.7297, 17.0033.



This preview shows how white text looks on a background with the XYZ color 33.1999, 20.7297,

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

33.1999, 20.7297, 17.0033

Protanopia

20.3817, 20.8804, 26.2486

Deuteranopia

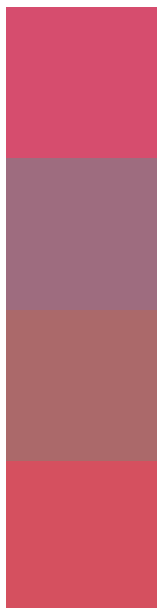
21.1396, 20.7650, 15.7258



Tritanopia

32.1782, 20.8688, 11.3489

Trichromacy



Original Color

33.1999, 20.7297, 17.0033

Protanomaly

23.2939, 19.5265, 22.6199

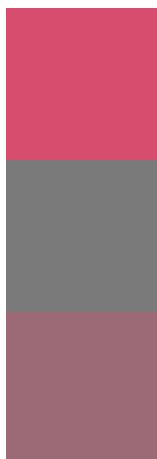
Deuteranomaly

24.4477, 19.8017, 16.1692

Tritanomaly

32.3748, 20.7097, 13.1175

Monochromacy



Original Color

33.1999, 20.7297, 17.0033

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

21.9416, 18.5846, 19.5703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1999, 20.7297, 17.0033 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(214, 77, 110)` looks like.

```
.text, #text, p{  
    color:rgb(214, 77, 110)  
}
```

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(214, 77, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 77, 110) }
```

Border

The CSS property to change the border of an element to XYZ 33.1999, 20.7297, 17.0033 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(214, 77, 110) }
```


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

```
.border{ border-color:rgb(214, 77, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 77, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 77, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 77, 110);  
box-shadow:4px 4px 4px 4px rgb(214, 77,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1999, 20.7297, 17.0033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 77, 110) }
```

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

```
.background{ background-color: rgb(214, 77,  
110) }
```

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