

Converting Colors

XYZ(33.4367, 17.3087, 20.6305)

Have a look what the booklet for
XYZ(33.4367, 17.3087, 20.6305)
contains.

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Color

**XYZ(33.4799, 17.3241,
20.6481)**

Conversions

Conversions Part 1

Format	Color
Hex	DC187C
RGB	220, 24, 124
RGB Percent	86%, 9%, 49%
CMY	0.1373, 0.9058, 0.5137
CMYK	0.00, 0.89, 0.44, 0.14
HSL	329°, 80%, 48%
HSV	329°, 89%, 86%
XYZ	33.4799, 17.3241, 20.6481
YIQ	94.0040, 84.7160, 72.6520

Conversions

Conversions Part 2

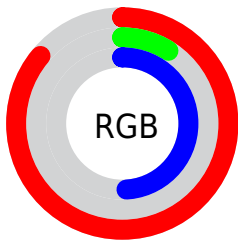
Format	Color
R_{YB}	220, 24, 124
Decimal	14424188
CIE _{Lab}	48.67, 74.38, -3.41
CIE _{LCh}	49, 74.463, 357.374
Yxy	17.3241, 0.4686, 0.2425
Android (android.graphics.Color)	4292614268 (0xFFDC187C)
YUV	94.0040, 14.7880, 110.4985
Hunter-Lab	41.6222, 70.7421, -0.2772

Details

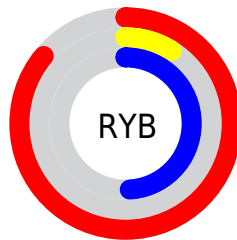
The XYZ color **33.4799, 17.3241, 20.6481** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **29.3620, 52.7374, 26.4084**, and the grayscale version is **10.5952, 11.1470, 12.1391**.

A 20% lighter version of the original color is **53.5383, 33.3183, 44.6836**, and **15.5681, 7.8789, 7.3569** is the 20% darker color. If you saturate the color by 10%, you get **32.5304, 16.4568, 17.1508**, and if you desaturate by 10%, it is **34.8506, 18.9144, 24.6535**.

Distribution



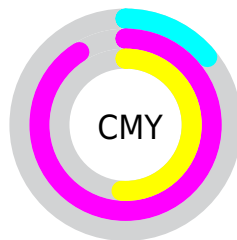
- Red (86%)
- Green (9%)
- Blue (49%)



- Red (86%)
- Yellow (9%)
- Blue (49%)



- Cyan (0%)
- Magenta (89%)
- Yellow (44%)
- Black (14%)





- Cyan (14%)
- Magenta (91%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4799, 17.3241, 20.6481 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 33.4799, 17.3241, 20.6481 by changing the saturation by 10% instead.


 33.4799, 17.3241,
20.6481


 33.4799, 17.3241,
20.6481


309.4336,
237.0332, 268.1217


 22.6553, 10.4658,
12.6783


 64.4737, 38.8822,
45.3743


 14.4585, 5.7089,
7.0793


 85.3737, 54.3508,
62.9678


 8.5241, 2.6689,
3.4325


 110.3628, 73.4583,
84.6062

 4.4867, 0.9614,
1.3195

 139.8065, 96.5891,
110.7081

 1.9810, 0.0000,
0.0777

 174.0700,
124.1276, 141.6921

 0.6232, 0.0000,
0.0000

 213.5188,

 0.0000, 0.0000,

156.4582, 177.9767

0.0000

258.5182,
193.9653, 219.9804

■ 33.4799, 17.3241,
20.6481

■ 33.4799, 17.3241,
20.6481

■ 32.5304, 16.4568,
17.1508

■ 34.8506, 18.9144,
24.6535

■ 32.4527, 16.3907,
16.8504

■ 36.7374, 21.4142,
29.2096

■ 39.2021, 24.9434,
34.3479

■ 42.2969, 29.6031,
40.0960

■ 46.0677, 35.4820,
46.4792

■ 50.5561, 42.6598,
53.5209

■ 55.7999, 51.2096,
61.2431

■ 61.8344, 61.1989,
69.6664

■ 68.6926, 72.6906,
78.8106

Harmonies

Analogous

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



30.2686, 17.3241, 47.4580



33.4799, 17.3241, 20.6481



31.1850, 17.3241, 6.2755

Triad

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



33.4799, 17.3241, 20.6481



11.1131, 17.3241, 1.2709



10.3266, 17.3241, 71.9551

Complementary

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



33.4799, 17.3241, 20.6481



29.3620, 52.7374, 26.4084

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.



7.3074, 17.3241, 42.1234



33.4799, 17.3241, 20.6481



7.6648, 17.3241, 4.9428

Square

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



33.4799, 17.3241, 20.6481



17.0781, 17.3241, 0.6657



6.4883, 17.3241, 17.1839



15.8688, 17.3241, 87.4082

Rectangle

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



33.4799, 17.3241, 20.6481



27.1173, 17.3241, 2.4814



6.4883, 17.3241, 17.1839



9.0484, 17.3241, 62.5758

Sweetspot

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



33.4804, 17.3251, 20.6484



71.9182, 61.6761, 76.7121



20.8182, 9.7255, 68.4900



14.8920, 12.3908, 15.6589



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.



33.4804, 17.3251, 20.6484



45.2751, 22.8741, 23.1788



30.0435, 15.9503, 2.5498



13.3319, 13.1618, 15.0089



19.1027, 9.6421, 10.1869



1.2811, 0.6421, 0.8890

Inverse Universe

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



33.4804, 17.3251, 20.6484



45.2751, 22.8741, 23.1788



38.4601, 56.3767, 74.3188



13.3319, 13.1618, 15.0089



19.1027, 9.6421, 10.1869



1.2811, 0.6421, 0.8890

Previews

White Background



This preview shows how the XYZ color 33.4799, 17.3241, 20.6481 looks on a white 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

Black Background



This preview shows how the XYZ color 33.4799, 17.3241, 20.6481 looks on a black 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

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

XYZ 33.4799, 17.3241, 20.6481

Background



This preview shows how black text looks on a background with the XYZ color 33.4799, 17.3241, 20.6481.



This preview shows how white text looks on a background with the XYZ color 33.4799, 17.3241,

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

33.4799, 17.3241, 20.6481

Protanopia

18.6925, 17.8434, 43.0164

Deuteranopia

17.9017, 17.6373, 18.6805



Tritanopia

30.2579, 17.4115, 5.2560

Trichromacy



Original Color

33.4799, 17.3241, 20.6481



Protanomaly

20.0025, 14.0976, 33.1193



Deuteranomaly

20.9104, 14.7699, 18.8883



Tritanomaly

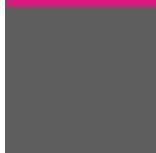
30.8545, 16.9722, 9.0469

Monochromacy



Original Color

33.4799, 17.3241, 20.6481



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

15.4931, 10.8516, 14.6426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4799, 17.3241, 20.6481 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(220, 24, 124)` looks like.

```
.text, #text, p{  
    color:rgb(220, 24, 124)  
}
```

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(220, 24, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 24, 124) }
```

Border

The CSS property to change the border of an element to XYZ 33.4799, 17.3241, 20.6481 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(220, 24, 124) }
```


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

```
.border{ border-color:rgb(220, 24, 124) }
```

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

Here you see how a box with a 4 pixel rgb(220, 24, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 24, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 24, 124);  
box-shadow:4px 4px 4px 4px rgb(220, 24,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4799, 17.3241, 20.6481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 24, 124) }
```

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

```
.background{ background-color: rgb(220, 24,  
124) }
```

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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