

Converting Colors

XYZ(33.4963, 19.1261, 16.2275)

Have a look what the booklet for
XYZ(33.4963, 19.1261, 16.2275)
contains.

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Color

**XYZ(33.3833, 19.0690,
16.1086)**

Conversions

Conversions Part 1

Format	Color
Hex	DB396C
RGB	219, 57, 108
RGB Percent	86%, 22%, 42%
CMY	0.1412, 0.7764, 0.5765
CMYK	0.00, 0.74, 0.51, 0.14
HSL	341°, 69%, 54%
HSV	341°, 74%, 86%
XYZ	33.3833, 19.0690, 16.1086
YIQ	111.2520, 80.1810, 50.2050

Conversions

Conversions Part 2

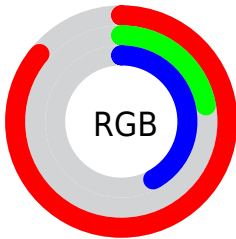
Format	Color
R_{YB}	219, 57, 108
Decimal	14367084
CIE _{Lab}	50.77, 64.98, 9.34
CIE _{LCh}	51, 65.652, 8.178
Yxy	19.0690, 0.4869, 0.2781
Android (android.graphics.Color)	4292557164 (0xFFDB396C)
YUV	111.2520, -1.6032, 94.4950
Hunter-Lab	43.6681, 60.0403, 8.6963

Details

The XYZ color **33.3833, 19.0690, 16.1086** 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 **34.0882, 54.3606, 45.7467**, and the grayscale version is **15.1721, 15.9622, 17.3829**.

A 20% lighter version of the original color is **53.8593, 36.4858, 37.0047**, and **14.9429, 7.6060, 5.0954** is the 20% darker color. If you saturate the color by 10%, you get **31.7931, 17.0588, 11.9716**, and if you desaturate by 10%, it is **35.5785, 22.0694, 21.1258**.

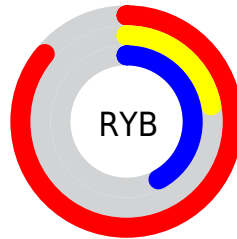
Distribution



Red (86%)

Green (22%)

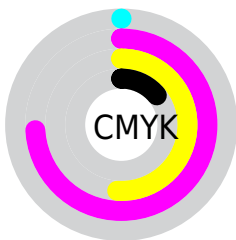
Blue (42%)



Red (86%)

Yellow (22%)

Blue (42%)

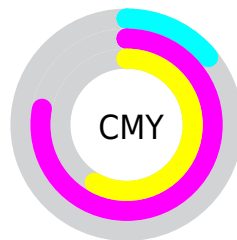


Cyan (0%)

Magenta (74%)

Yellow (51%)

Black (14%)



Cyan (14%)


Magenta (78%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3833, 19.0690, 16.1086 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 33.3833, 19.0690, 16.1086 by changing the saturation by 10% instead.


 33.3833, 19.0690,
16.1086


 33.3833, 19.0690,
16.1086


309.0079,
246.8294, 241.8492


 22.5809, 11.7201,
9.4458


 64.3242, 41.8507,
37.5560


 14.4033, 6.5534,
4.9324


 85.1933, 58.0523,
53.1778


 8.4853, 3.1844,
2.1496


 110.1488, 77.9736,
72.6230

 4.4614, 1.2288,
0.6450

 139.5559,
101.9990, 96.3102

 1.9663, 0.0850,
0.0000

 173.7800,
130.5128, 124.6578

 0.6150, 0.0000,
0.0000

213.1865,

 0.0000, 0.0000,

163.8996, 158.0845

0.0000

258.1407,
202.5437, 197.0088

■ 33.3833, 19.0690,
16.1086

■ 33.3833, 19.0690,
16.1086

■ 31.7931, 17.0588,
11.9716

■ 35.5785, 22.0694,
21.1258

■ 30.7346, 15.9032,
8.6551


■ 38.4371, 26.1661,
27.0746


■ 30.2855, 15.4889,
7.0131

■ 42.0119, 31.4549,
34.0028


■ 46.3497, 38.0203,
41.9545

■ 51.4933, 45.9389,
50.9708

 57.4820, 55.2813,
61.0906

 64.3528, 66.1133,
72.3507

 72.1402, 78.4963,
84.7860

 80.8768, 92.4886,
98.4300

Harmonies

Analogous

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



32.2503, 19.0690, 36.9653



33.3833, 19.0690, 16.1086



29.7282, 19.0690, 5.6362

Triad

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



33.3833, 19.0690, 16.1086



11.4879, 19.0690, 3.4862



13.8936, 19.0690, 74.2826

Complementary

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



33.3833, 19.0690, 16.1086



34.0882, 54.3606, 45.7467

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.



10.0179, 19.0690, 51.3701



33.3833, 19.0690, 16.1086



8.8759, 19.0690, 10.1594

Square

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



33.3833, 19.0690, 16.1086



16.4167, 19.0690, 1.7148



8.4105, 19.0690, 26.2371



19.9468, 19.0690, 79.5102

Rectangle

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



33.3833, 19.0690, 16.1086



25.4831, 19.0690, 2.8429



8.4105, 19.0690, 26.2371



12.3393, 19.0690, 67.9366

Sweetspot

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



33.3838, 19.0701, 16.1089



74.1075, 67.0477, 74.3807



30.3352, 16.3341, 68.5715



15.3997, 13.6338, 15.1266



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.



33.3838, 19.0701, 16.1089



43.9320, 23.0031, 14.0515



33.3368, 22.1249, 6.3858



13.2240, 13.1187, 14.4411



18.0018, 9.2017, 4.3894



1.2046, 0.6115, 0.4861

Inverse Universe

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



33.3838, 19.0701, 16.1089



43.9320, 23.0031, 14.0515



32.7367, 42.5098, 73.4974



13.2240, 13.1187, 14.4411



18.0018, 9.2017, 4.3894



1.2046, 0.6115, 0.4861

Previews

White Background



This preview shows how the XYZ color 33.3833, 19.0690, 16.1086 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 33.3833, 19.0690, 16.1086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

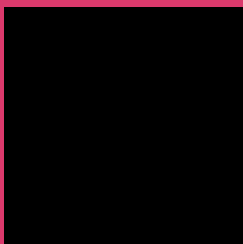
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.3833, 19.0690, 16.1086

Background



This preview shows how black text looks on a background with the XYZ color 33.3833, 19.0690, 16.1086.



This preview shows how white text looks on a background with the XYZ color 33.3833, 19.0690,

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

33.3833, 19.0690, 16.1086

Protanopia

18.9351, 19.1678, 28.2930

Deuteranopia

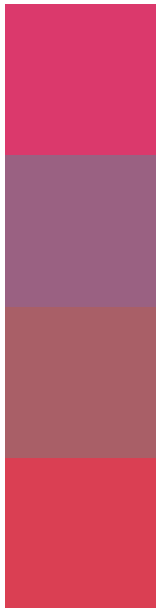
19.6460, 19.3054, 14.7474



Tritanopia

31.6377, 19.0778, 7.6451

Trichromacy



Original Color

33.3833, 19.0690, 16.1086

Protanomaly

21.6304, 17.0311, 23.2664

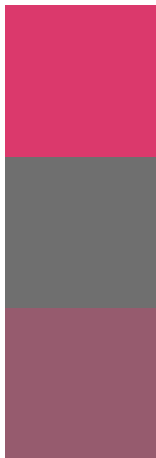
Deuteranomaly

22.9026, 17.5987, 15.0218

Tritanomaly

32.2523, 19.0850, 10.1675

Monochromacy



Original Color

33.3833, 19.0690, 16.1086

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

19.1332, 15.0920, 16.6565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3833, 19.0690, 16.1086 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(219, 57, 108)` looks like.

```
.text, #text, p{  
    color:rgb(219, 57, 108)  
}
```

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(219, 57, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 57, 108) }
```

Border

The CSS property to change the border of an element to XYZ 33.3833, 19.0690, 16.1086 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(219, 57, 108) }
```


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

```
.border{ border-color:rgb(219, 57, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 57, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 57, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 57, 108);  
box-shadow:4px 4px 4px 4px rgb(219, 57,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3833, 19.0690, 16.1086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 57, 108) }
```

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

```
.background{ background-color: rgb(219, 57,  
108) }
```

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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