

Converting Colors

XYZ(33.7574, 18.9859, 15.2854)

Have a look what the booklet for
XYZ(33.7574, 18.9859, 15.2854)
contains.

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Color

**XYZ(33.6417, 18.9383,
15.2469)**

Conversions

Conversions Part 1

Format	Color
Hex	DD3569
RGB	221, 53, 105
RGB Percent	87%, 21%, 41%
CMY	0.1333, 0.7921, 0.5882
CMYK	0.00, 0.76, 0.52, 0.13
HSL	341°, 71%, 54%
HSV	341°, 76%, 87%
XYZ	33.6417, 18.9383, 15.2469
YIQ	109.1600, 83.4360, 51.7880

Conversions

Conversions Part 2

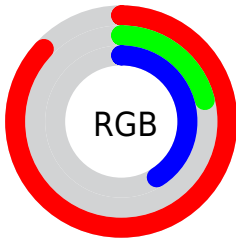
Format	Color
R_{YB}	221, 53, 105
Decimal	14497129
CIE Lab	50.61, 66.55, 11.00
CIE LCh	51, 67.454, 9.382
Yxy	18.9383, 0.4960, 0.2792
Android (android.graphics.Color)	4292687209 (0xFFDD3569)
YUV	109.1600, -2.0509, 98.0837
Hunter-Lab	43.5182, 61.8326, 9.6900

Details

The XYZ color **33.6417, 18.9383, 15.2469** 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 **34.4878, 55.3350, 46.4051**, and the grayscale version is **14.5718, 15.3307, 16.6951**.

A 20% lighter version of the original color is **53.2581, 35.6949, 35.5353**, and **15.2609, 7.7791, 4.7002** is the 20% darker color. If you saturate the color by 10%, you get **32.1408, 17.0813, 11.2179**, and if you desaturate by 10%, it is **35.7484, 21.7820, 20.1726**.

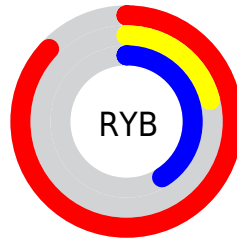
Distribution



Red (87%)

Green (21%)

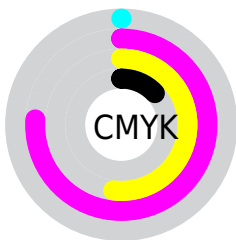
Blue (41%)



Red (87%)

Yellow (21%)

Blue (41%)

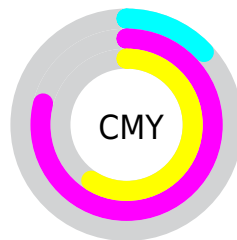


Cyan (0%)

Magenta (76%)

Yellow (52%)

Black (13%)



Cyan (13%)


Magenta (79%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6417, 18.9383, 15.2469 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 33.6417, 18.9383, 15.2469 by changing the saturation by 10% instead.


 33.6417, 18.9383,
15.2469


 33.6417, 18.9383,
15.2469

310.1455,
246.1079, 236.5478


 22.7801, 11.6257,
8.8443


 64.7241, 41.6298,
36.0341

 14.5510, 6.4894,
4.5443


 85.6756, 57.7775,
51.2559


 8.5891, 3.1449,
1.9285


 110.7210, 77.6391,
70.2544

 4.5291, 1.2078,
0.5108

 140.2258,
101.5988, 93.4483

 2.0056, 0.0681,
0.0000

 174.5553,
130.0412, 121.2560

 0.6371, 0.0000,
0.0000

214.0749,

 0.0000, 0.0000,

163.3506, 154.0961

0.0000

259.1498,
201.9113, 192.3872

■ 33.6417, 18.9383,
15.2469

■ 33.6417, 18.9383,
15.2469

■ 32.1408, 17.0813,
11.2179

■ 35.7484, 21.7820,
20.1726

■ 31.1666, 16.0643,
8.0216


■ 38.5230, 25.7248,
26.0496


■ 30.8741, 15.7943,
6.9534


■ 42.0210, 30.8676,
32.9288


■ 46.2914, 37.2985,
40.8565

■ 51.3787, 45.0976,
49.8762

 57.3242, 54.3381,
60.0287

 64.1661, 65.0884,
71.3528

 71.9402, 77.4122,
83.8851

 80.6806, 91.3695,
97.6607

Harmonies

Analogous

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



32.6757, 18.9383, 36.2426



33.6417, 18.9383, 15.2469



29.6939, 18.9383, 5.0916

Triad

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



33.6417, 18.9383, 15.2469



11.0913, 18.9383, 3.3574



13.8925, 18.9383, 76.7419

Complementary

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



33.6417, 18.9383, 15.2469



34.4878, 55.3350, 46.4051

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.



9.8676, 18.9383, 53.3296



33.6417, 18.9383, 15.2469



8.5462, 18.9383, 10.2904

Square

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



33.6417, 18.9383, 15.2469



16.0105, 18.9383, 1.5338



8.1609, 18.9383, 27.1283



20.1485, 18.9383, 81.2488

Rectangle

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



33.6417, 18.9383, 15.2469



25.2653, 18.9383, 2.4946



8.1609, 18.9383, 27.1283



12.2814, 18.9383, 70.3520

Sweetspot

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



33.6422, 18.9394, 15.2472



73.2606, 65.7786, 72.7893



30.4315, 16.0711, 69.9045



15.0775, 13.1464, 14.5349



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.



33.6422, 18.9394, 15.2472



43.6002, 22.6927, 12.8523



33.6172, 21.9405, 5.8328



13.2212, 13.1176, 14.4259



17.9801, 9.1931, 4.2754



1.2029, 0.6108, 0.4773

Inverse Universe

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



33.6422, 18.9394, 15.2472



43.6002, 22.6927, 12.8523



32.9772, 42.8922, 74.9473



13.2212, 13.1176, 14.4259



17.9801, 9.1931, 4.2754



1.2029, 0.6108, 0.4773

Previews

White Background



This preview shows how the XYZ color 33.6417, 18.9383, 15.2469 looks on a white background.

Color Contrast Check

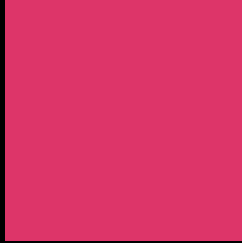
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.6417, 18.9383, 15.2469 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 33.6417, 18.9383, 15.2469

Background



This preview shows how black text looks on a background with the XYZ color 33.6417, 18.9383, 15.2469.

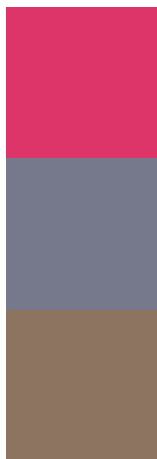


This preview shows how white text looks on a background with the XYZ color 33.6417, 18.9383,

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

33.6417, 18.9383, 15.2469

Protanopia

18.9213, 19.1779, 27.5154

Deuteranopia

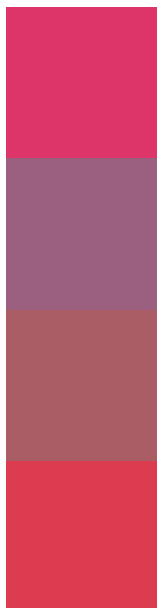
19.3876, 19.0166, 13.9580



Tritanopia

31.9451, 18.9967, 6.9841

Trichromacy



Original Color

33.6417, 18.9383, 15.2469

Protanomaly

21.5312, 16.8666, 22.1994

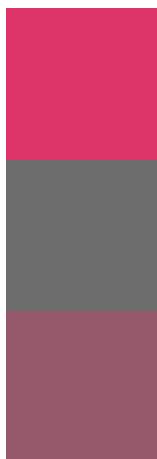
Deuteranomaly

22.7922, 17.2948, 14.1936

Tritanomaly

32.5271, 18.9228, 9.5275

Monochromacy



Original Color

33.6417, 18.9383, 15.2469

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

18.8568, 14.7115, 16.0331

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6417, 18.9383, 15.2469 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(221, 53, 105)` looks like.

```
.text, #text, p{  
    color:rgb(221, 53, 105)  
}
```

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(221, 53, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 53, 105) }
```

Border

The CSS property to change the border of an element to XYZ 33.6417, 18.9383, 15.2469 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(221, 53, 105) }
```


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

```
.border{ border-color:rgb(221, 53, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 53, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 53, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 53, 105);  
box-shadow:4px 4px 4px 4px rgb(221, 53,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6417, 18.9383, 15.2469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 53, 105) }
```

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

```
.background{ background-color: rgb(221, 53,  
105) }
```

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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