

# Converting Colors

XYZ(33.2445, 18.9046, 15.7113)

Have a look what the booklet for  
XYZ(33.2445, 18.9046, 15.7113)  
contains.

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# Color

**XYZ(33.2814, 18.9500,  
15.8135)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DB386B
RGB	219, 56, 107
RGB Percent	86%, 22%, 42%
CMY	0.1412, 0.7803, 0.5804
CMYK	0.00, 0.74, 0.51, 0.14
HSL	341°, 69%, 54%
HSV	341°, 74%, 86%
XYZ	33.2814, 18.9500, 15.8135
YIQ	110.5510, 80.7770, 50.4170

# Conversions

## Conversions Part 2

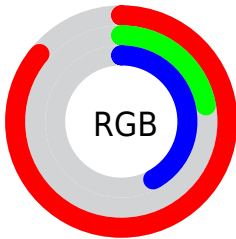
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">219, 56, 107</a>
Decimal	<a href="#">14366827</a>
CIELab	<a href="#">50.63, 65.23, 9.75</a>
CIELCh	<a href="#">51, 65.950, 8.501</a>
Yxy	<a href="#">18.9500, 0.4891, 0.2785</a>
Android (android.graphics.Color)	<a href="#">4292556907</a> ( <a href="#">0xFFDB386B</a> )
YUV	<a href="#">110.5510, -1.7506, 95.1098</a>
Hunter-Lab	<a href="#">43.5316, 60.2891, 8.9341</a>

# Details

The XYZ color **33.2814, 18.9500, 15.8135** 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 **34.0319, 54.3314, 45.7448**, and the grayscale version is **14.9696, 15.7492, 17.1509**.

A 20% lighter version of the original color is **53.6569, 36.2194, 36.5108**, and **14.9162, 7.5953, 4.9548** is the 20% darker color. If you saturate the color by 10%, you get **31.7181, 16.9823, 11.7203**, and if you desaturate by 10%, it is **35.4473, 21.9027, 20.7877**.

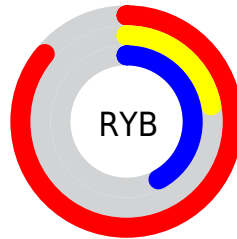
# Distribution



Red (86%)

Green (22%)

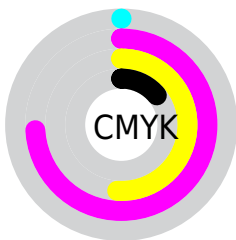
Blue (42%)



Red (86%)

Yellow (22%)

Blue (42%)

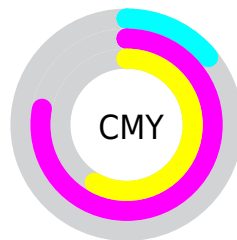


Cyan (0%)

Magenta (74%)

Yellow (51%)

Black (14%)



Cyan (14%)

Magenta (78%)


Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2814, 18.9500, 15.8135 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 33.2814, 18.9500, 15.8135 by changing the saturation by 10% instead.




 33.2814, 18.9500,  
15.8135


 33.2814, 18.9500,  
15.8135


308.5584,  
246.1726, 240.0467

 22.5024, 11.6342,  
9.2394


 64.1664, 41.6496,  
37.0364


 14.3452, 6.4951,  
4.7987


 85.0030, 57.8021,  
52.5222


 8.4444, 3.1484,  
2.0730


 109.9229, 77.6690,  
71.8157

 4.4348, 1.2097,  
0.5996

 139.2914,  
101.6347, 95.3354

 1.9509, 0.0696,  
0.0000

 173.4738,  
130.0834, 123.4998

 0.6062, 0.0000,  
0.0000

212.8356,

 0.0000, 0.0000,

163.3998, 156.7274

0.0000

257.7420,  
201.9680, 195.4369

■ 33.2814, 18.9500,  
15.8135

■ 33.2814, 18.9500,  
15.8135

■ 31.7181, 16.9823,  
11.7203

■ 35.4473, 21.9027,  
20.7877

■ 30.6834, 15.8626,  
8.4477


■ 38.2748, 25.9473,  
26.6949


■ 30.2723, 15.4836,  
6.9440


■ 41.8171, 31.1803,  
33.5834


■ 46.1211, 37.6865,  
41.4977

■ 51.2298, 45.5429,  
50.4793

 57.1829, 54.8205,  
60.5675

 64.0173, 65.5850,  
71.7993

 71.7678, 77.8983,  
84.2100

 80.4672, 91.8186,  
97.8333

# Harmonies

## Analogous

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



32.1986, 18.9500, 36.5893



33.2814, 18.9500, 15.8135



29.5718, 18.9500, 5.4755

# Triad

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



33.2814, 18.9500, 15.8135



11.3386, 18.9500, 3.4463



13.8359, 18.9500, 74.5023

# Complementary

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



33.2814, 18.9500, 15.8135



34.0319, 54.3314, 45.7448

# 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.



9.9413, 18.9500, 51.6034



33.2814, 18.9500, 15.8135



8.7575, 18.9500, 10.1577

# Square

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



33.2814, 18.9500, 15.8135



16.2388, 18.9500, 1.6660



8.3156, 18.9500, 26.3447



19.9086, 18.9500, 79.5110



# Rectangle

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



33.2814, 18.9500, 15.8135



25.3035, 18.9500, 2.7452



8.3156, 18.9500, 26.3447



12.2750, 18.9500, 68.1847

# Sweetspot

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



33.2819, 18.9511, 15.8138



74.0934, 67.0420, 74.3064



30.2191, 16.2017, 68.5519



15.3964, 13.6325, 15.1092



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.



33.2819, 18.9511, 15.8138



43.9109, 22.9946, 13.9404



33.2466, 21.9842, 6.2341



13.2230, 13.1183, 14.4355



17.9938, 9.1986, 4.3474



1.2039, 0.6112, 0.4829



# Inverse Universe

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



33.2819, 18.9511, 15.8138



43.9109, 22.9946, 13.9404



32.6408, 42.4017, 73.4814



13.2230, 13.1183, 14.4355



17.9938, 9.1986, 4.3474

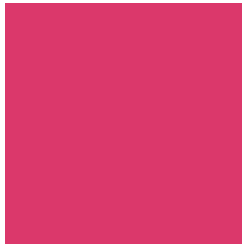


1.2039, 0.6112, 0.4829



# Previews

## White Background



This preview shows how the XYZ color 33.2814, 18.9500, 15.8135 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 33.2814, 18.9500, 15.8135 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

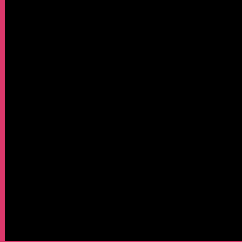
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 33.2814, 18.9500, 15.8135**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.2814, 18.9500, 15.8135.



This preview shows how white text looks on a background with the XYZ color 33.2814, 18.9500,



# 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

33.2814, 18.9500, 15.8135

### Protanopia

18.8603, 19.1379, 27.8992

### Deuteranopia

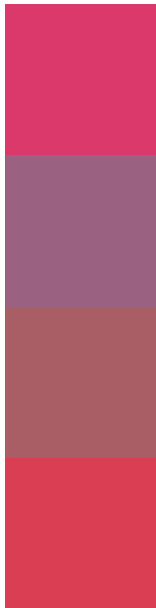
19.3127, 18.9671, 14.4475



## Tritanopia

31.5490, 18.9497, 7.4637

# Trichromacy



## Original Color

33.2814, 18.9500, 15.8135

## Protanomaly

21.5636, 17.0044, 22.9145

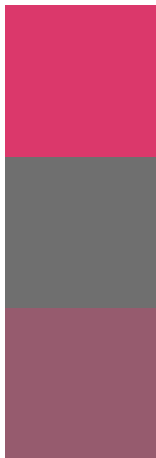
## Deuteranomaly

22.7632, 17.3997, 14.7291

## Tritanomaly

32.1591, 18.9599, 9.9473

# Monochromacy



## Original Color

33.2814, 18.9500, 15.8135

## 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 33.2814, 18.9500, 15.8135 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, 56, 107)` looks like.

```
.text, #text, p{  
    color:rgb(219, 56, 107)  
}
```

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, 56, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 56, 107) }
```

## Border

The CSS property to change the border of an element to XYZ 33.2814, 18.9500, 15.8135 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, 56, 107) }
```



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

```
.border{ border-color:rgb(219, 56, 107) }
```

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

Here you see how a box with a 4 pixel rgb(219, 56, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 56, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 56, 107);  
box-shadow:4px 4px 4px 4px rgb(219, 56,  
107) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.2814, 18.9500, 15.8135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 56, 107) }
```

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

```
.background{ background-color: rgb(219, 56,  
107) }
```

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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