

Converting Colors

XYZ(33.8057, 19.3832, 31.9422)

Have a look what the booklet for
XYZ(33.8057, 19.3832, 31.9422)
contains.

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Color

**XYZ(33.8218, 19.4102,
32.1009)**

Conversions

Conversions Part 1

Format	Color
Hex	D13F99
RGB	209, 63, 153
RGB Percent	82%, 25%, 60%
CMY	0.1804, 0.7529, 0.4000
CMYK	0.00, 0.70, 0.27, 0.18
HSL	323°, 61%, 53%
HSV	323°, 70%, 82%
XYZ	33.8218, 19.4102, 32.1009
YIQ	116.9140, 58.1260, 58.9420

Conversions

Conversions Part 2

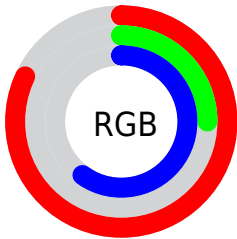
Format	Color
R_{YB}	209, 63, 153
Decimal	13713305
CIE _{Lab}	51.16, 64.82, -17.31
CIE _{LCh}	51, 67.088, 345.046
Yxy	19.4102, 0.3964, 0.2275
Android (android.graphics.Color)	4291903385 (0xFFD13F99)
YUV	116.9140, 17.7904, 80.7594
Hunter-Lab	44.0570, 59.9316, -12.3601

Details

The XYZ color **33.8218, 19.4102, 32.1009** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **28.1813, 47.9903, 25.2331**, and the grayscale version is **16.8171, 17.6928, 19.2675**.

A 20% lighter version of the original color is **59.3399, 39.4397, 63.5166**, and **14.9760, 7.4433, 13.2178** is the 20% darker color. If you saturate the color by 10%, you get **32.2360, 17.2628, 28.4144**, and if you desaturate by 10%, it is **35.8924, 22.4556, 36.1688**.

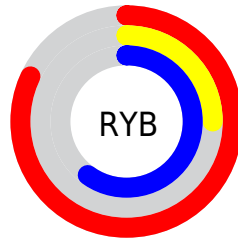
Distribution



Red (82%)

Green (25%)

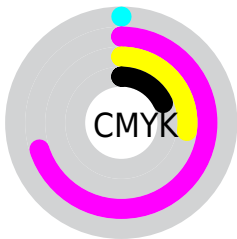
Blue (60%)



Red (82%)

Yellow (25%)

Blue (60%)

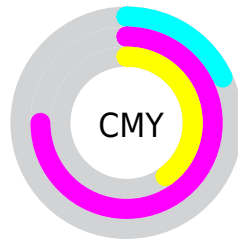


Cyan (0%)

Magenta (70%)

Yellow (27%)

Black (18%)



Cyan (18%)


Magenta (75%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8218, 19.4102, 32.1009 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 33.8218, 19.4102, 32.1009 by changing the saturation by 10% instead.


 33.8218, 19.4102,
32.1009


 33.8218, 19.4102,
32.1009


310.9367,
248.7040, 326.0855


 22.9190, 11.9671,
21.1731


 65.0026, 42.4261,
64.0690


 14.6541, 6.7212,
13.0581


 86.0113, 58.7676,
85.9464


 8.6617, 3.2884,
7.3374


 111.1193, 78.8441,
112.3107

 4.5765, 1.2841,
3.5924

 140.6920,
103.0399, 143.5805

 2.0332, 0.1288,
1.4045

 175.0947,
131.7394, 180.1744

 0.6525, 0.0000,
0.1452

214.6928,

 0.0000, 0.0000,

165.3270, 222.5108

0.0000

259.8517,
204.1870, 271.0083

■ 33.8218, 19.4102,
32.1009

■ 33.8218, 19.4102,
32.1009

■ 32.2360, 17.2628,
28.4144

■ 35.8924, 22.4556,
36.1688

■ 31.0796, 15.9046,
25.0862

■ 38.4913, 26.4854,
40.6364

■ 30.2571, 15.1457,
22.0800

■ 41.6591, 31.5789,
45.5213

■ 30.2459, 15.1359,
22.0376

■ 45.4317, 37.8068,
50.8395

■ 49.8418, 45.2335,
56.6057

■ 54.9198, 53.9184,
62.8338

■ 60.6942, 63.9171,
69.5369

■ 67.1915, 75.2819,
76.7276

■ 74.4371, 88.0621,
84.4177

Harmonies

Analogous

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



29.0953, 19.4102, 59.1606



33.8218, 19.4102, 32.1009



33.8139, 19.4102, 12.9612

Triad

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



33.8218, 19.4102, 32.1009



15.3156, 19.4102, 1.8066



10.7895, 19.4102, 59.2429

Complementary

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



33.8218, 19.4102, 32.1009



28.1813, 47.9903, 25.2331

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.



8.6277, 19.4102, 32.1757



33.8218, 19.4102, 32.1009



10.7794, 19.4102, 4.3553

Square

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



33.8218, 19.4102, 32.1009



21.9604, 19.4102, 1.8037



8.6246, 19.4102, 13.0021



15.3331, 19.4102, 80.1930

Rectangle

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



33.8218, 19.4102, 32.1009



31.0675, 19.4102, 6.2805



8.6246, 19.4102, 13.0021



9.8145, 19.4102, 50.0227

Sweetspot

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



33.8224, 19.4112, 32.1012



77.1491, 69.2104, 87.4809



20.8905, 12.0793, 61.5524



16.0861, 14.0921, 18.1745



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.



33.8224, 19.4112, 32.1012



49.5531, 25.8429, 41.8288



29.5221, 17.6911, 9.4560



12.1106, 11.9290, 13.8582



18.6981, 9.3521, 13.8480



1.0836, 0.5382, 0.9750

Inverse Universe

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



33.8224, 19.4112, 32.1012



49.5531, 25.8429, 41.8288



34.3619, 50.4626, 57.7798



12.1106, 11.9290, 13.8582



18.6981, 9.3521, 13.8480



1.0836, 0.5382, 0.9750

Previews

White Background



This preview shows how the XYZ color 33.8218, 19.4102, 32.1009 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 33.8218, 19.4102, 32.1009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

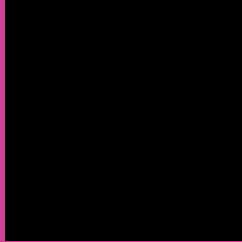
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.8218, 19.4102, 32.1009

Background



This preview shows how black text looks on a background with the XYZ color 33.8218, 19.4102, 32.1009.



This preview shows how white text looks on a background with the XYZ color 33.8218, 19.4102,

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

33.8218, 19.4102, 32.1009

Protanopia

21.1829, 19.7528, 54.3260

Deuteranopia

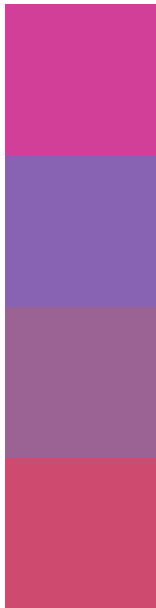
19.9957, 19.6882, 29.5344



Tritanopia

29.5646, 19.4103, 11.2052

Trichromacy



Original Color

33.8218, 19.4102, 32.1009

Protanomaly

22.8534, 17.4532, 45.3443

Deuteranomaly

23.1336, 17.9318, 30.2589

Tritanomaly

30.7716, 19.1671, 17.1167

Monochromacy



Original Color

33.8218, 19.4102, 32.1009

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

20.8816, 16.6451, 23.2313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8218, 19.4102, 32.1009 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(209, 63, 153)` looks like.

```
.text, #text, p{  
    color:rgb(209, 63, 153)  
}
```

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(209, 63, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 63, 153) }
```

Border

The CSS property to change the border of an element to XYZ 33.8218, 19.4102, 32.1009 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(209, 63, 153) }
```


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

```
.border{ border-color:rgb(209, 63, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 63, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 63, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 63, 153);  
box-shadow:4px 4px 4px 4px rgb(209, 63,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8218, 19.4102, 32.1009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 63, 153) }
```

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

```
.background{ background-color: rgb(209, 63,  
153) }
```

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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