

Converting Colors

XYZ(33.8706, 19.4181, 13.9937)

Have a look what the booklet for
XYZ(33.8706, 19.4181, 13.9937)
contains.

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Color

**XYZ(33.9375, 19.4758,
14.0271)**

Conversions

Conversions Part 1

Format	Color
Hex	DE3A64
RGB	222, 58, 100
RGB Percent	87%, 23%, 39%
CMY	0.1294, 0.7725, 0.6078
CMYK	0.00, 0.74, 0.55, 0.13
HSL	345°, 71%, 55%
HSV	345°, 74%, 87%
XYZ	33.9375, 19.4758, 14.0271
YIQ	111.8240, 84.2620, 47.8300

Conversions

Conversions Part 2

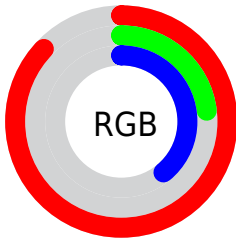
Format	Color
RYB	222, 58, 100
Decimal	14563940
CIELab	51.24, 64.89, 14.92
CIElCh	51, 66.587, 12.948
Yxy	19.4758, 0.5032, 0.2888
Android (android.graphics.Color)	4292754020 (0xFFDE3A64)
YUV	111.8240, -5.8292, 96.6244
Hunter-Lab	44.1314, 60.0384, 12.0467

Details

The XYZ color **33.9375, 19.4758, 14.0271** 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 **36.1061, 56.4379, 52.1764**, and the grayscale version is **15.3501, 16.1495, 17.5869**.

A 20% lighter version of the original color is **53.3043, 36.4512, 33.5045**, and **15.1631, 7.7399, 4.1848** is the 20% darker color. If you saturate the color by 10%, you get **32.3294, 17.4120, 9.9390**, and if you desaturate by 10%, it is **36.1908, 22.5709, 19.1300**.

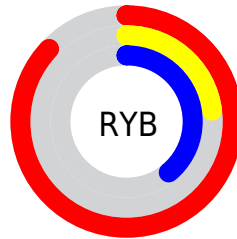
Distribution



Red (87%)

Green (23%)

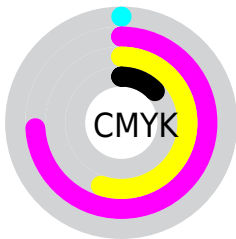
Blue (39%)



Red (87%)

Yellow (23%)

Blue (39%)

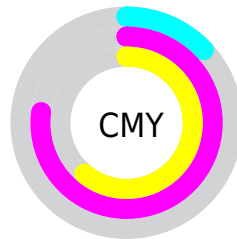


Cyan (0%)

Magenta (74%)

Yellow (55%)

Black (13%)



Cyan (13%)


Magenta (77%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9375, 19.4758, 14.0271 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 33.9375, 19.4758, 14.0271 by changing the saturation by 10% instead.


 33.9375, 19.4758,
14.0271


 33.9375, 19.4758,
14.0271


311.4441,
249.0630, 228.8336


 23.0083, 12.0146,
8.0005


 65.1814, 42.5366,
33.8549

 14.7203, 6.7536,
4.0075


 86.2268, 58.9049,
48.4933


 8.7084, 3.3085,
1.6295


 111.3749, 79.0110,
66.8393

 4.6070, 1.2948,
0.3117

 140.9911,
103.2394, 89.3116

 2.0510, 0.1372,
0.0000

 175.4408,
131.9744, 116.3286

 0.6623, 0.0000,
0.0000

215.0893,

 0.0000, 0.0000,

165.6004, 148.3089

0.0000

260.3019,
204.5018, 185.6711

■ 33.9375, 19.4758,
14.0271

■ 33.9375, 19.4758,
14.0271

■ 32.3294, 17.4120,
9.9390

■ 36.1908, 22.5709,
19.1300

■ 31.2881, 16.2381,
6.7905


■ 39.1518, 26.8077,
25.3127


■ 30.8587, 15.8234,
5.2781


■ 42.8772, 32.2861,
32.6355


■ 47.4172, 39.0939,
41.1535

■ 52.8176, 47.3111,
50.9185

 59.1208, 57.0113,
61.9788

 66.3663, 68.2630,
74.3801

 74.5911, 81.1302,
88.1662

 82.9271, 93.8667,
103.0772

Harmonies

Analogous

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



33.5844, 19.4758, 33.8272



33.9375, 19.4758, 14.0271



29.5089, 19.4758, 4.7817

Triad

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



33.9375, 19.4758, 14.0271



11.1080, 19.4758, 4.1284



15.0161, 19.4758, 78.8337

Complementary

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



33.9375, 19.4758, 14.0271



36.1061, 56.4379, 52.1764

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.



10.6546, 19.4758, 57.1153



33.9375, 19.4758, 14.0271



8.7964, 19.4758, 12.1940

Square

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



33.9375, 19.4758, 14.0271



15.7971, 19.4758, 1.8092



8.6531, 19.4758, 30.4918



21.5196, 19.4758, 80.4705

Rectangle

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



33.9375, 19.4758, 14.0271



24.9414, 19.4758, 2.4715



8.6531, 19.4758, 30.4918



13.2936, 19.4758, 73.2330

Sweetspot

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



33.9380, 19.4769, 14.0274



73.6842, 66.8784, 72.1521



33.1204, 17.7981, 70.7967



15.3010, 13.5943, 14.6069



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.



33.9380, 19.4769, 14.0274



43.3426, 22.7674, 10.9481



35.0961, 24.2512, 6.8357



13.8505, 13.7578, 14.9831



18.3678, 9.4141, 3.3369



1.3091, 0.6669, 0.4207

Inverse Universe

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



33.9380, 19.4769, 14.0274



43.3426, 22.7674, 10.9481



32.0160, 40.3451, 75.2069



13.8505, 13.7578, 14.9831



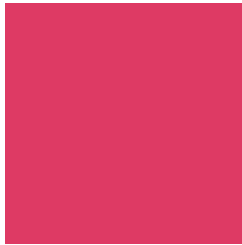
18.3678, 9.4141, 3.3369



1.3091, 0.6669, 0.4207

Previews

White Background



This preview shows how the XYZ color 33.9375, 19.4758, 14.0271 looks on a white background.

Color Contrast Check

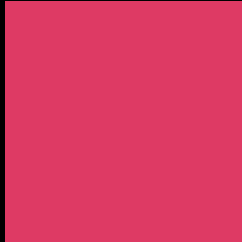
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.9375, 19.4758, 14.0271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

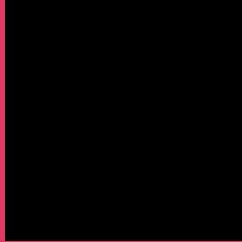
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.9375, 19.4758, 14.0271

Background



This preview shows how black text looks on a background with the XYZ color 33.9375, 19.4758, 14.0271.



This preview shows how white text looks on a background with the XYZ color 33.9375, 19.4758,

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

33.9375, 19.4758, 14.0271

Protanopia

19.1504, 19.7226, 24.6273

Deuteranopia

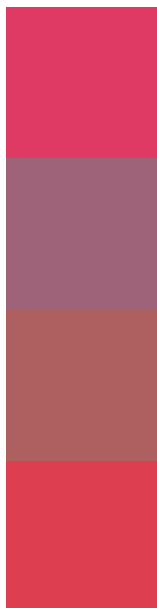
20.0873, 19.7493, 12.8785



Tritanopia

32.4489, 19.4136, 7.5058

Trichromacy



Original Color

33.9375, 19.4758, 14.0271

Protanomaly

21.9526, 17.5488, 19.9995

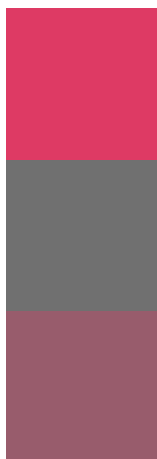
Deuteranomaly

23.4820, 18.0762, 13.0779

Tritanomaly

32.9894, 19.3966, 9.5946

Monochromacy



Original Color

33.9375, 19.4758, 14.0271

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

19.4828, 15.4124, 16.1354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9375, 19.4758, 14.0271 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(222, 58, 100)` looks like.

```
.text, #text, p{  
    color:rgb(222, 58, 100)  
}
```

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(222, 58, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 58, 100) }
```

Border

The CSS property to change the border of an element to XYZ 33.9375, 19.4758, 14.0271 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(222, 58, 100) }
```


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

```
.border{ border-color:rgb(222, 58, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 58, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 58, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 58, 100);  
box-shadow:4px 4px 4px 4px rgb(222, 58,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9375, 19.4758, 14.0271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 58, 100) }
```

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

```
.background{ background-color: rgb(222, 58,  
100) }
```

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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