

Converting Colors

XYZ(31.7933, 17.0150, 9.3524)

Have a look what the booklet for
XYZ(31.7933, 17.0150, 9.3524)
contains.

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Color

**XYZ(31.8479, 17.0539,
9.3978)**

Conversions

Conversions Part 1

Format	Color
Hex	DD2151
RGB	221, 33, 81
RGB Percent	87%, 13%, 32%
CMY	0.1333, 0.8705, 0.6824
CMYK	0.00, 0.85, 0.63, 0.13
HSL	345°, 74%, 50%
HSV	345°, 85%, 87%
XYZ	31.8479, 17.0539, 9.3978
YIQ	94.6840, 96.6400, 54.7840

Conversions

Conversions Part 2

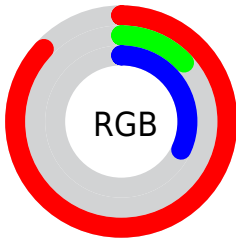
Format	Color
RYB	221, 33, 81
Decimal	14491985
CIELab	48.33, 70.01, 22.52
CIELCh	48, 73.542, 17.835
Yxy	17.0539, 0.5463, 0.2925
Android (android.graphics.Color)	4292682065 (0xFFDD2151)
YUV	94.6840, -6.7462, 110.7791
Hunter-Lab	41.2964, 65.3912, 15.4149

Details

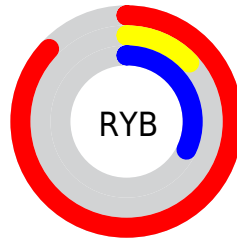
The XYZ color **31.8479, 17.0539, 9.3978** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **34.0287, 55.0542, 48.3771**, and the grayscale version is **10.8032, 11.3658, 12.3774**.

A 20% lighter version of the original color is **49.9229, 32.1791, 24.6990**, and **14.4345, 7.4027, 2.4183** is the 20% darker color. If you saturate the color by 10%, you get **30.8784, 15.9859, 6.3898**, and if you desaturate by 10%, it is **33.3697, 18.9874, 13.3281**.

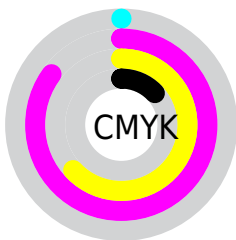
Distribution



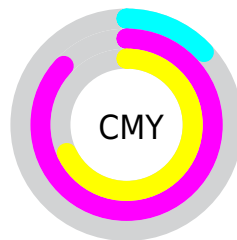
- Red (87%)
- Green (13%)
- Blue (32%)



- Red (87%)
- Yellow (13%)
- Blue (32%)



- Cyan (0%)
- Magenta (85%)
- Yellow (63%)
- Black (13%)





- Cyan (13%)
- Magenta (87%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8479, 17.0539, 9.3978 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 31.8479, 17.0539, 9.3978 by changing the saturation by 10% instead.


 31.8479, 17.0539,
9.3978


 31.8479, 17.0539,
9.3978


302.1834,
235.4828, 196.6444


 21.4003, 10.2729,
4.9012


 61.9394, 38.4184,
25.2463

 13.5311, 5.5803,
2.1317


 82.3140, 53.7708,
37.4354


 7.8748, 2.5916,
0.6345


 106.7283, 72.7490,
53.0257

 4.0660, 0.9224,
0.0000

 135.5478, 95.7376,
72.4357

 1.7396, 0.0000,
0.0000

 169.1376,
123.1208, 96.0841

 0.4808, 0.0000,
0.0000

 207.8633,

 0.0000, 0.0000,

155.2832, 124.3893

0.0000

252.0901,
192.6091, 157.7699

■ 31.8479, 17.0539,
9.3978

■ 31.8479, 17.0539,
9.3978

■ 30.8784, 15.9859,
6.3898

■ 33.3697, 18.9874,
13.3281

■ 30.5426, 15.6617,
5.2074

■ 35.5205, 21.9235,
18.2548

■ 38.3654, 25.9781,
24.2444

■ 41.9607, 31.2502,
31.3569

■ 46.3565, 37.8280,
39.6476

■ 51.5988, 45.7913,
49.1680

■ 57.7299, 55.2135,
59.9665

■ 64.7891, 66.1631,
72.0889

■ 72.8135, 78.7038,
85.5785

Harmonies

Analogous

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



32.3686, 17.0539, 27.4913



31.8479, 17.0539, 9.3978



26.5000, 17.0539, 2.4418

Triad

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



31.8479, 17.0539, 9.3978



8.4056, 17.0539, 3.1726



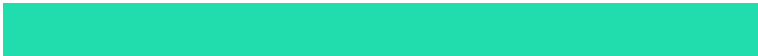
13.6403, 17.0539, 83.1390

Complementary

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



31.8479, 17.0539, 9.3978



34.0287, 55.0542, 48.3771

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.



9.0014, 17.0539, 61.6080



31.8479, 17.0539, 9.3978



6.5877, 17.0539, 11.8218

Square

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



31.8479, 17.0539, 9.3978



12.5713, 17.0539, 0.9310



6.7705, 17.0539, 32.3347



20.4889, 17.0539, 80.5967

Rectangle

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



31.8479, 17.0539, 9.3978



21.5784, 17.0539, 1.0673



6.7705, 17.0539, 32.3347



11.8139, 17.0539, 78.0830

Sweetspot

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



31.8483, 17.0549, 9.3980



70.4680, 61.9642, 66.3989



30.3621, 14.9527, 69.6923



14.5223, 12.4089, 13.2008



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.



31.8483, 17.0549, 9.3980



42.1967, 21.6427, 6.9680



32.7390, 20.7731, 3.7243



13.1917, 13.1058, 14.2710



17.7817, 9.1137, 3.2305



1.1868, 0.6044, 0.3929

Inverse Universe

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



31.8483, 17.0549, 9.3980



42.1967, 21.6427, 6.9680



29.4282, 37.0427, 74.0053



13.1917, 13.1058, 14.2710



17.7817, 9.1137, 3.2305



1.1868, 0.6044, 0.3929

Previews

White Background



This preview shows how the XYZ color 31.8479, 17.0539, 9.3978 looks on a white 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

Black Background



This preview shows how the XYZ color 31.8479, 17.0539, 9.3978 looks on a black 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

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

XYZ 31.8479, 17.0539, 9.3978

Background



This preview shows how black text looks on a background with the XYZ color 31.8479, 17.0539, 9.3978.



This preview shows how white text looks on a background with the XYZ color 31.8479, 17.0539,

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

31.8479, 17.0539, 9.3978

Protanopia

16.6965, 17.3508, 18.6887

Deuteranopia

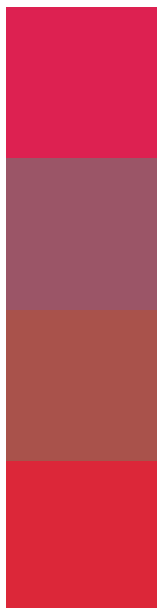
17.5608, 17.1952, 8.5243



Tritanopia

30.8151, 17.1178, 3.9654

Trichromacy



Original Color

31.8479, 17.0539, 9.3978

Protanomaly

19.2142, 14.4448, 14.6074

Deuteranomaly

20.6495, 14.9776, 8.4592

Tritanomaly

30.9792, 16.9621, 5.5121

Monochromacy



Original Color

31.8479, 17.0539, 9.3978

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

15.1473, 11.0356, 11.0046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8479, 17.0539, 9.3978 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, 33, 81)` looks like.

```
.text, #text, p{  
    color:rgb(221, 33, 81)  
}
```

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, 33, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 33, 81) }
```

Border

The CSS property to change the border of an element to XYZ 31.8479, 17.0539, 9.3978 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, 33, 81) }
```


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

```
.border{ border-color:rgb(221, 33, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 33, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 33, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 33, 81);  
box-shadow:4px 4px 4px 4px rgb(221, 33,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8479, 17.0539, 9.3978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 33, 81) }
```

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

```
.background{ background-color: rgb(221, 33,  
81) }
```

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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