

Converting Colors

XYZ(31.2191, 16.9568, 15.5573)

Have a look what the booklet for
XYZ(31.2191, 16.9568, 15.5573)
contains.

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Color

**XYZ(31.1783, 16.9436,
15.5371)**

Conversions

Conversions Part 1

Format	Color
Hex	D6296B
RGB	214, 41, 107
RGB Percent	84%, 16%, 42%
CMY	0.1608, 0.8392, 0.5804
CMYK	0.00, 0.81, 0.50, 0.16
HSL	337°, 68%, 50%
HSV	337°, 81%, 84%
XYZ	31.1783, 16.9436, 15.5371
YIQ	100.2510, 81.9220, 57.2020

Conversions

Conversions Part 2

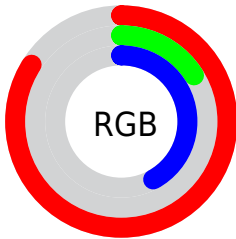
Format	Color
R_{YB}	214, 41, 107
Decimal	14035307
CIE _{Lab}	48.19, 68.16, 6.16
CIE _{LCh}	48, 68.434, 5.163
Yxy	16.9436, 0.4898, 0.2662
Android (android.graphics.Color)	4292225387 (0xFFD6296B)
YUV	100.2510, 3.3273, 99.7579
Hunter-Lab	41.1626, 63.1689, 6.4344

Details

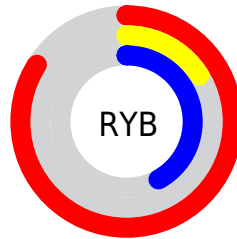
The XYZ color **31.1783, 16.9436, 15.5371** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed rose. A complement of this color would be **30.3080, 50.7032, 36.2125**, and the grayscale version is **12.1562, 12.7892, 13.9275**.

A 20% lighter version of the original color is **52.4631, 33.8318, 36.1128**, and **13.9525, 7.0985, 4.9097** is the 20% darker color. If you saturate the color by 10%, you get **29.9846, 15.5868, 11.9623**, and if you desaturate by 10%, it is **32.8813, 19.1486, 19.8079**.

Distribution



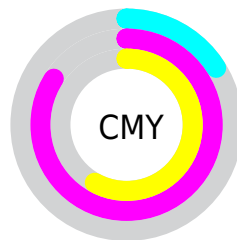
- Red (84%)
- Green (16%)
- Blue (42%)



- Red (84%)
- Yellow (16%)
- Blue (42%)



- Cyan (0%)
- Magenta (81%)
- Yellow (50%)
- Black (16%)





- Cyan (16%)
- Magenta (84%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.1783, 16.9436, 15.5371 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 31.1783, 16.9436, 15.5371 by changing the saturation by 10% instead.


 31.1783, 16.9436,
15.5371


 31.1783, 16.9436,
15.5371


299.1711,
234.8472, 238.3462


 20.8871, 10.1943,
9.0464


 60.8946, 38.2288,
36.5482


 13.1535, 5.5280,
4.6742


 81.0505, 53.5334,
51.9058


 7.6121, 2.5602,
2.0021


 105.2253, 72.4587,
71.0560

 3.8974, 0.9067,
0.5565

 133.7844, 95.3889,
94.4174

 1.6443, 0.0000,
0.0000

 167.0932,
122.7084, 122.4086

 0.4210, 0.0000,
0.0000

 205.5170,

 0.0000, 0.0000,

154.8017, 155.4481

0.0000

249.4212,
192.0532, 193.9545

■ 31.1783, 16.9436,
15.5371

■ 31.1783, 16.9436,
15.5371

■ 29.9846, 15.5868,
11.9623

■ 32.8813, 19.1486,
19.8079

■ 29.2403, 14.8996,
9.2438

■ 35.1539, 22.3148,
24.8169

■ 38.0488, 26.5408,
30.6026

■ 41.6119, 31.9120,
37.2004

■ 45.8845, 38.5051,
44.6430

■ 50.9047, 46.3901,
52.9612

■ 56.7075, 55.6315,
62.1840

■ 63.3258, 66.2897,
72.3392

■ 70.7906, 78.4213,
83.4530

Harmonies

Analogous

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



29.5654, 16.9436, 36.8808



31.1783, 16.9436, 15.5371



27.9822, 16.9436, 4.9248

Triad

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



31.1783, 16.9436, 15.5371



10.1561, 16.9436, 2.2306



11.5884, 16.9436, 70.1956

Complementary

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



31.1783, 16.9436, 15.5371



30.3080, 50.7032, 36.2125

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.



8.1774, 16.9436, 46.0103



31.1783, 16.9436, 15.5371



7.5119, 16.9436, 7.4840

Square

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



31.1783, 16.9436, 15.5371



15.0528, 16.9436, 1.0459



6.8940, 16.9436, 21.7031



17.2039, 16.9436, 77.8335

Rectangle

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



31.1783, 16.9436, 15.5371



23.9406, 16.9436, 2.2034



6.8940, 16.9436, 21.7031



10.1972, 16.9436, 63.2074

Sweetspot

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



31.1787, 16.9446, 15.5374



73.0305, 64.7719, 74.3975



25.0876, 12.7089, 64.7487



15.0584, 12.9640, 14.9735



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.



31.1787, 16.9446, 15.5374



43.7214, 22.3854, 14.5872



29.8112, 17.8149, 3.9667



12.6173, 12.4984, 13.9250



17.7210, 9.0247, 5.8349



1.1086, 0.5602, 0.5612

Inverse Universe

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



31.1787, 16.9446, 15.5374



43.7214, 22.3854, 14.5872



32.3039, 43.8294, 70.3753



12.6173, 12.4984, 13.9250



17.7210, 9.0247, 5.8349



1.1086, 0.5602, 0.5612

Previews

White Background



This preview shows how the XYZ color 31.1783, 16.9436, 15.5371 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 31.1783, 16.9436, 15.5371 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 31.1783, 16.9436, 15.5371

Background



This preview shows how black text looks on a background with the XYZ color 31.1783, 16.9436, 15.5371.



This preview shows how white text looks on a background with the XYZ color 31.1783, 16.9436,

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

31.1783, 16.9436, 15.5371

Protanopia

17.3472, 17.2670, 30.0223

Deuteranopia

17.4523, 17.1753, 14.1997



Tritanopia

28.9687, 16.8767, 5.6016

Trichromacy



Original Color

31.1783, 16.9436, 15.5371

Protanomaly

19.4271, 14.5933, 23.6227

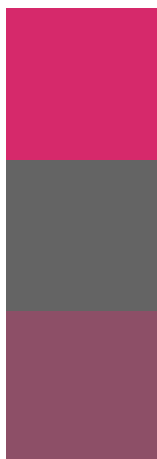
Deuteranomaly

20.6264, 15.2963, 14.4357

Tritanomaly

29.5620, 16.7863, 8.3386

Monochromacy



Original Color

31.1783, 16.9436, 15.5371

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

16.2287, 12.2340, 14.3380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1783, 16.9436, 15.5371 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(214, 41, 107)` looks like.

```
.text, #text, p{  
    color:rgb(214, 41, 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(214, 41, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 41, 107) }
```

Border

The CSS property to change the border of an element to XYZ 31.1783, 16.9436, 15.5371 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(214, 41, 107) }
```


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

```
.border{ border-color:rgb(214, 41, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 41, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 41, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 41, 107);  
box-shadow:4px 4px 4px 4px rgb(214, 41,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1783, 16.9436, 15.5371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 41, 107) }
```

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

```
.background{ background-color: rgb(214, 41,  
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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