

Converting Colors

XYZ(30.0138, 13.2428, 8.5148)

Have a look what the booklet for
XYZ(30.0138, 13.2428, 8.5148)
contains.

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Color

**XYZ(31.2668, 15.9513,
9.0204)**

Conversions

Conversions Part 1

Format	Color
Hex	DD0050
RGB	221, 0, 80
RGB Percent	87%, 0%, 31%
CMY	0.1333, 0.9998, 0.6863
CMYK	0.00, 1.00, 0.64, 0.13
HSL	338°, 100%, 43%
HSV	338°, 100%, 87%
XYZ	31.2668, 15.9513, 9.0204
YIQ	75.1990, 106.0360, 71.7320

Conversions

Conversions Part 2

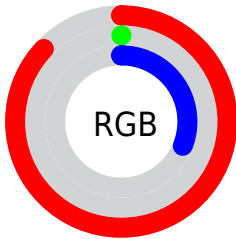
Format	Color
RYB	221, 0, 80
Decimal	14483536
CIELab	46.91, 73.99, 21.28
CIElCh	47, 76.991, 16.045
Yxy	15.9513, 0.5560, 0.2836
Android (android.graphics.Color)	4292673616 (0xFFDD0050)
YUV	75.1990, 2.3669, 127.8675
Hunter-Lab	39.9391, 69.8475, 14.5665

Details

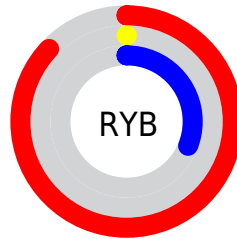
The XYZ color **31.2668, 15.9513, 9.0204** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **30.6680, 53.6375, 33.9536**, and the grayscale version is **6.7107, 7.0601, 7.6885**.

A 20% lighter version of the original color is **48.9435, 30.3272, 24.0430**, and **14.4345, 7.4027, 2.4183** is the 20% darker color. If you saturate the color by 10%, you get **31.2656, 15.9509, 9.0148**, and if you desaturate by 10%, it is **32.1334, 16.7615, 12.1557**.

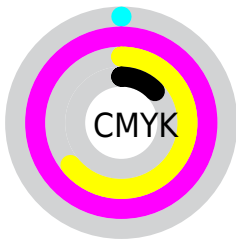
Distribution



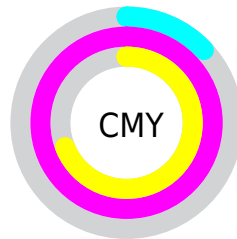
- Red (87%)
- Green (0%)
- Blue (31%)



- Red (87%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (13%)





- Cyan (13%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2668, 15.9513, 9.0204 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 31.2668, 15.9513, 9.0204 by changing the saturation by 10% instead.


 31.2668, 15.9513,
9.0204


 31.2668, 15.9513,
9.0204


299.5706,
229.0542, 193.7537


 20.9549, 9.4897,
4.6575


 61.0329, 36.5136,
24.5142


 13.2033, 5.0619,
1.9925


 81.2178, 51.3832,
36.4822

 7.6467, 2.2837,
0.5507


 105.4244, 69.8241,
51.8224

 3.9196, 0.7650,
0.0000

 134.0180, 92.2209,
70.9532

 1.6567, 0.0000,
0.0000

 167.3641,
118.9579, 94.2931

 0.4290, 0.0000,
0.0000

 205.8280,

 0.0000, 0.0000,

150.4195, 122.2609

0.0000

249.7751,
186.9902, 155.2749

■ 31.2668, 15.9513,
9.0204

■ 31.2668, 15.9513,
9.0204

■ 31.2656, 15.9509,
9.0148

■ 32.1334, 16.7615,
12.1557

■ 33.4463, 18.2789,
16.0103

■ 35.3192, 20.7219,
20.6511

■ 37.8184, 24.2143,
26.1269

■ 41.0003, 28.8607,
32.4817

■ 44.9146, 34.7530,
39.7558

■ 49.6062, 41.9736,
47.9869

■ 55.1163, 50.5978,
57.2102

■ 61.4831, 60.6953,
67.4590

Harmonies

Analogous

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



31.4647, 15.9513, 27.9017



31.2668, 15.9513, 9.0204



26.0074, 15.9513, 2.0311

Triad

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



31.2668, 15.9513, 9.0204



7.6354, 15.9513, 2.2678



12.2552, 15.9513, 83.6646

Complementary

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



31.2668, 15.9513, 9.0204



30.6680, 53.6375, 33.9536

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.



7.8481, 15.9513, 59.9150



31.2668, 15.9513, 9.0204



5.7646, 15.9513, 9.8885

Square

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



31.2668, 15.9513, 9.0204



11.8647, 15.9513, 0.4816



5.8288, 15.9513, 29.7269



19.0179, 15.9513, 82.6730

Rectangle

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



31.2668, 15.9513, 9.0204



21.0323, 15.9513, 0.7355



5.8288, 15.9513, 29.7269



10.4991, 15.9513, 77.8326

Sweetspot

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



31.2672, 15.9523, 9.0206



68.4228, 57.7652, 66.0523



23.8640, 10.7954, 69.2323



14.0288, 11.4108, 13.0703



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.



31.2672, 15.9523, 9.0206



43.1838, 22.0375, 12.1659



30.2708, 16.2760, 1.5474



13.2498, 13.1290, 14.5766



18.2123, 9.2860, 5.4981



1.2204, 0.6178, 0.5694

Inverse Universe

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



31.2672, 15.9523, 9.0206



43.1838, 22.0375, 12.1659



31.8003, 42.7180, 74.9757



13.2498, 13.1290, 14.5766



18.2123, 9.2860, 5.4981



1.2204, 0.6178, 0.5694

Previews

White Background



This preview shows how the XYZ color 31.2668, 15.9513, 9.0204 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 31.2668, 15.9513, 9.0204 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 31.2668, 15.9513, 9.0204

Background



This preview shows how black text looks on a background with the XYZ color 31.2668, 15.9513, 9.0204.



This preview shows how white text looks on a background with the XYZ color 31.2668, 15.9513,

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

31.2668, 15.9513, 9.0204

Protanopia

16.0554, 16.6720, 19.2014

Deuteranopia

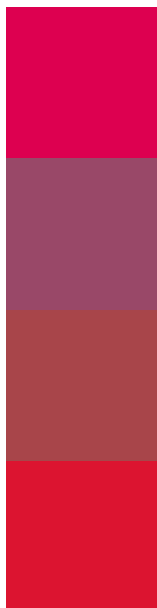
16.7846, 16.4857, 8.0918



Tritanopia

29.9517, 16.1818, 2.7072

Trichromacy



Original Color

31.2668, 15.9513, 9.0204

Protanomaly

17.9529, 12.4065, 14.5452

Deuteranomaly

19.5126, 13.0755, 7.9740

Tritanomaly

30.2989, 15.9294, 4.2741

Monochromacy



Original Color

31.2668, 15.9513, 9.0204

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

11.2986, 7.2389, 7.8229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2668, 15.9513, 9.0204 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, 0, 80)` looks like.

```
.text, #text, p{  
    color:rgb(221, 0, 80)  
}
```

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, 0, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 0, 80) }
```

Border

The CSS property to change the border of an element to XYZ 31.2668, 15.9513, 9.0204 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, 0, 80) }
```


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

```
.border{ border-color:rgb(221, 0, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 0, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 0, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 0, 80);  
box-shadow:4px 4px 4px 4px rgb(221, 0, 80)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.2668, 15.9513, 9.0204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 0, 80) }
```

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

```
.background{ background-color: rgb(221, 0,  
80) }
```

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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