

Converting Colors

XYZ(30.7374, 14.9033, 11.8949)

Have a look what the booklet for
XYZ(30.7374, 14.9033, 11.8949)
contains.

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Color

**XYZ(31.2338, 15.8682,
12.0063)**

Conversions

Conversions Part 1

Format	Color
Hex	DB005E
RGB	219, 0, 94
RGB Percent	86%, 0%, 37%
CMY	0.1412, 0.9998, 0.6314
CMYK	0.00, 1.00, 0.57, 0.14
HSL	334°, 100%, 43%
HSV	334°, 100%, 86%
XYZ	31.2338, 15.8682, 12.0063
YIQ	76.1970, 100.3500, 75.6620

Conversions

Conversions Part 2

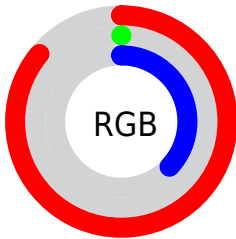
Format	Color
RYB	219, 0, 94
Decimal	14352478
CIELab	46.80, 74.34, 12.37
CIElCh	47, 75.365, 9.448
Yxy	15.8682, 0.5284, 0.2685
Android (android.graphics.Color)	4292542558 (0xFFDB005E)
YUV	76.1970, 8.7769, 125.2382
Hunter-Lab	39.8349, 70.2474, 10.0143

Details

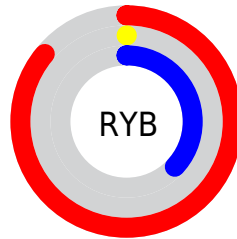
The XYZ color **31.2338, 15.8682, 12.0063** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **29.0366, 52.1450, 27.9520**, and the grayscale version is **6.8817, 7.2401, 7.8845**.

A 20% lighter version of the original color is **50.0151, 30.7558, 29.6859**, and **14.2647, 7.2897, 3.5609** is the 20% darker color. If you saturate the color by 10%, you get **31.2325, 15.8677, 12.0001**, and if you desaturate by 10%, it is **32.1269, 16.6829, 15.3000**.

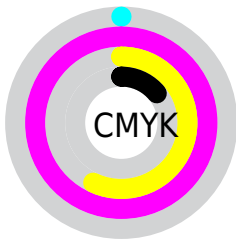
Distribution



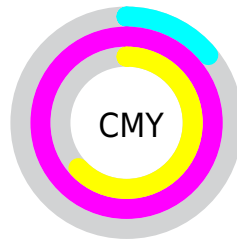
- Red (86%)
- Green (0%)
- Blue (37%)



- Red (86%)
- Yellow (0%)
- Blue (37%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (14%)





- Cyan (14%)
- Magenta (100%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2338, 15.8682, 12.0063 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 31.2338, 15.8682, 12.0063 by changing the saturation by 10% instead.

 31.2338, 15.8682,
12.0063


 31.2338, 15.8682,
12.0063


299.4217,
228.5627, 215.4264


 20.9296, 9.4309,
6.6254


 60.9813, 36.3692,
30.1711


 13.1848, 5.0233,
3.1541


 81.1554, 51.2018,
43.7922


 7.6338, 2.2610,
1.1738


 105.3502, 69.6016,
60.9969

 3.9113, 0.7529,
0.0000

 133.9310, 91.9530,
82.2040

 1.6521, 0.0000,
0.0000

 167.2632,
118.6404, 107.8320

 0.4260, 0.0000,
0.0000

 205.7121,

 0.0000, 0.0000,

150.0483, 138.2993

0.0000

249.6432,
186.5609, 174.0246

■ 31.2338, 15.8682,
12.0063

■ 31.2338, 15.8682,
12.0063

■ 31.2325, 15.8677,
12.0001

■ 32.1269, 16.6829,
15.3000

■ 33.4384, 18.1820,
19.2015

■ 35.2780, 20.5793,
23.7665

■ 37.7089, 23.9954,
29.0339

■ 40.7847, 28.5319,
35.0384

■ 44.5525, 34.2778,
41.8119

■ 49.0550, 41.3134,
49.3842

■ 54.3311, 49.7117,
57.7830

■ 60.4170, 59.5405,
67.0346

Harmonies

Analogous

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



30.2200, 15.8682, 33.2897



31.2338, 15.8682, 12.0063



27.0511, 15.8682, 2.9979

Triad

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



31.2338, 15.8682, 12.0063



8.4106, 15.8682, 1.7096



11.0781, 15.8682, 77.8589

Complementary

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



31.2338, 15.8682, 12.0063



29.0366, 52.1450, 27.9520

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.



7.2961, 15.8682, 51.8329



31.2338, 15.8682, 12.0063



6.0945, 15.8682, 7.4552

Square

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



31.2338, 15.8682, 12.0063



13.1074, 15.8682, 0.4439



5.7562, 15.8682, 23.9026



17.2461, 15.8682, 82.8928

Rectangle

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



31.2338, 15.8682, 12.0063



22.4346, 15.8682, 1.1107



5.7562, 15.8682, 23.9026



9.5423, 15.8682, 70.6905

Sweetspot

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



31.2342, 15.8692, 12.0065



69.0589, 58.0197, 69.4020



21.1161, 9.4095, 67.7208



14.1778, 11.4703, 13.8548



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.



31.2342, 15.8692, 12.0065



44.0231, 22.3732, 16.5855



29.3794, 15.3918, 1.4238



13.2868, 13.1438, 14.7716



18.5720, 9.4298, 7.3919



1.2458, 0.6280, 0.7033

Inverse Universe

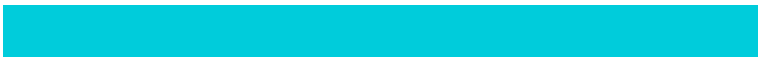
The Inverse Universe completely reimagines the original color for something new.



31.2342, 15.8692, 12.0065



44.0231, 22.3732, 16.5855



34.4754, 48.4922, 74.5605



13.2868, 13.1438, 14.7716



18.5720, 9.4298, 7.3919



1.2458, 0.6280, 0.7033

Previews

White Background



This preview shows how the XYZ color 31.2338, 15.8682, 12.0063 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 31.2338, 15.8682, 12.0063 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 31.2338, 15.8682, 12.0063

Background



This preview shows how black text looks on a background with the XYZ color 31.2338, 15.8682, 12.0063.

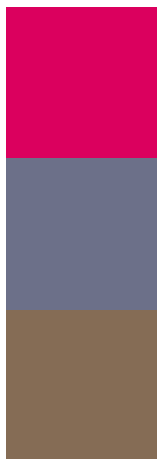


This preview shows how white text looks on a background with the XYZ color 31.2338, 15.8682,

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

31.2338, 15.8682, 12.0063

Protanopia

16.4939, 16.5826, 25.9984

Deuteranopia

16.6751, 16.3675, 10.8747



Tritanopia

29.6268, 16.2653, 3.2471

Trichromacy



Original Color

31.2338, 15.8682, 12.0063

Protanomaly

17.9172, 12.1829, 19.4963

Deuteranomaly

19.1994, 12.8533, 10.7015

Tritanomaly

29.9786, 15.8541, 5.3510

Monochromacy



Original Color

31.2338, 15.8682, 12.0063

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

11.5204, 7.3276, 8.9908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2338, 15.8682, 12.0063 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(219, 0, 94)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 94)  
}
```

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(219, 0, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 94) }
```

Border

The CSS property to change the border of an element to XYZ 31.2338, 15.8682, 12.0063 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(219, 0, 94) }
```


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

```
.border{ border-color:rgb(219, 0, 94) }
```

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

Here you see how a box with a 4 pixel rgb(219, 0, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 94);  
box-shadow:4px 4px 4px 4px rgb(219, 0, 94)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.2338, 15.8682, 12.0063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 94) }
```

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

```
.background{ background-color: rgb(219, 0,  
94) }
```

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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