

Converting Colors

XYZ(29.7883, 15.3005, 3.9230)

Have a look what the booklet for
XYZ(29.7883, 15.3005, 3.9230)
contains.

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Color

**XYZ(29.7066, 15.2573,
3.9640)**

Conversions

Conversions Part 1

Format	Color
Hex	DB002E
RGB	219, 0, 46
RGB Percent	86%, 0%, 18%
CMY	0.1412, 0.9998, 0.8196
CMYK	0.00, 1.00, 0.79, 0.14
HSL	347°, 100%, 43%
HSV	347°, 100%, 86%
XYZ	29.7066, 15.2573, 3.9640
YIQ	70.7250, 115.7580, 60.7340

Conversions

Conversions Part 2

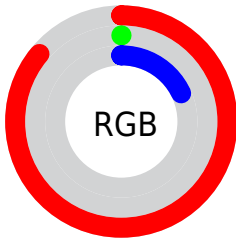
Format	Color
RYB	219, 0, 46
Decimal	14352430
CIELab	45.98, 72.14, 40.58
CIElCh	46, 82.776, 29.360
Yxy	15.2573, 0.6072, 0.3118
Android (android.graphics.Color)	4292542510 (0xFFDB002E)
YUV	70.7250, -12.1894, 130.0372
Hunter-Lab	39.0606, 67.3979, 21.3255

Details

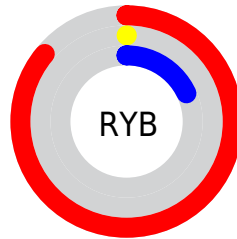
The XYZ color **29.7066, 15.2573, 3.9640** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **32.8793, 53.6820, 48.1874**, and the grayscale version is **5.9533, 6.2633, 6.8207**.

A 20% lighter version of the original color is **46.7441, 29.1775, 13.2933**, and **13.3319, 6.8722, 0.6525** is the 20% darker color. If you saturate the color by 10%, you get **29.7057, 15.2570, 3.9602**, and if you desaturate by 10%, it is **30.4049, 15.9941, 6.2319**.

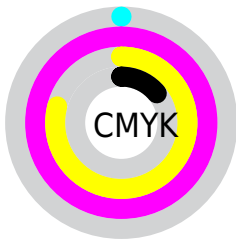
Distribution



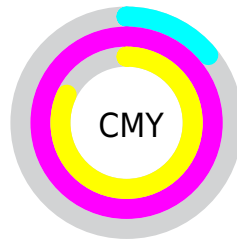
- Red (86%)
- Green (0%)
- Blue (18%)



- Red (86%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (79%)
- Black (14%)





- Cyan (14%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7066, 15.2573, 3.9640 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 29.7066, 15.2573, 3.9640 by changing the saturation by 10% instead.


 29.7066, 15.2573,
3.9640


 29.7066, 15.2573,
3.9640


292.4689,
224.9183, 147.8244

 19.7630, 9.0002,
1.6056


 58.5877, 35.3039,
13.9266

 12.3301, 4.7413,
0.2948


 78.2559, 49.8622,
22.3680


 7.0427, 2.0963,
0.0000


 101.8962, 67.9563,
33.6741

 3.5354, 0.6625,
0.0000

 129.8742, 89.9707,
48.2634

 1.4428, 0.0000,
0.0000

 162.5551,
116.2897, 66.5546

 0.2864, 0.0000,
0.0000

 200.3043,

 0.0000, 0.0000,

147.2977, 88.9661

0.0000

243.4871,
183.3791, 115.9165

■ 29.7066, 15.2573,
3.9640

■ 29.7066, 15.2573,
3.9640

■ 29.7057, 15.2570,
3.9602

■ 30.4049, 15.9941,
6.2319

■ 31.5788, 17.4382,
9.4092

■ 33.3471, 19.8071,
13.5988

■ 35.7810, 23.2243,
18.8814

■ 38.9409, 27.7945,
25.3287

■ 42.8804, 33.6091,
33.0063

■ 47.6480, 40.7508,
41.9745

■ 53.2881, 49.2947,
52.2900

■ 59.8419, 59.3107,
64.0056

Harmonies

Analogous

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



32.5859, 15.2573, 17.0478



29.7066, 15.2573, 3.9640



22.5127, 15.2573, 0.5638

Triad

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



29.7066, 15.2573, 3.9640



5.7214, 15.2573, 3.6834



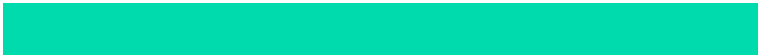
14.3515, 15.2573, 92.8248

Complementary

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



29.7066, 15.2573, 3.9640



32.8793, 53.6820, 48.1874

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.



8.6598, 15.2573, 76.8742



29.7066, 15.2573, 3.9640



4.7681, 15.2573, 16.1849

Square

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



29.7066, 15.2573, 3.9640



8.8462, 15.2573, 0.4992



5.6408, 15.2573, 43.6356



22.1647, 15.2573, 78.0784

Rectangle

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



29.7066, 15.2573, 3.9640



17.1354, 15.2573, 0.0000



5.6408, 15.2573, 43.6356



12.1525, 15.2573, 90.7579

Sweetspot

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



29.7069, 15.2583, 3.9642



67.0602, 57.2202, 58.8769



29.7034, 13.8364, 68.1227



13.7127, 11.2843, 11.4058



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.



29.7069, 15.2583, 3.9642



41.8946, 21.5218, 5.3771



30.9407, 18.5144, 1.9442



13.1673, 13.0960, 14.1422



17.6466, 9.0597, 2.5193



1.1750, 0.5996, 0.3304

Inverse Universe

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



29.7069, 15.2583, 3.9642



41.8946, 21.5218, 5.3771



24.8374, 29.2162, 71.3477



13.1673, 13.0960, 14.1422



17.6466, 9.0597, 2.5193



1.1750, 0.5996, 0.3304

Previews

White Background



This preview shows how the XYZ color 29.7066, 15.2573, 3.9640 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



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 29.7066, 15.2573, 3.9640

Background



This preview shows how black text looks on a background with the XYZ color 29.7066, 15.2573, 3.9640.



This preview shows how white text looks on a background with the XYZ color 29.7066, 15.2573,

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

29.7066, 15.2573, 3.9640

Protanopia

14.7069, 15.8888, 8.2529

Deuteranopia

15.9464, 15.6910, 3.4845



Tritanopia

29.1737, 15.3821, 1.5750

Trichromacy



Original Color

29.7066, 15.2573, 3.9640

Protanomaly

17.0274, 12.0224, 5.9805

Deuteranomaly

18.4740, 12.4665, 3.1017

Tritanomaly

29.1712, 15.2189, 2.0619

Monochromacy



Original Color

29.7066, 15.2573, 3.9640

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

10.2653, 6.5845, 5.2873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7066, 15.2573, 3.9640 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, 46)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 46)  
}
```

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, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 46) }
```

Border

The CSS property to change the border of an element to XYZ 29.7066, 15.2573, 3.9640 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, 46) }
```


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

```
.border{ border-color:rgb(219, 0, 46) }
```

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, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 46);  
box-shadow:4px 4px 4px 4px rgb(219, 0, 46)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.7066, 15.2573, 3.9640 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, 46) }
```

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

```
.background{ background-color: rgb(219, 0,  
46) }
```

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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