

# Converting Colors

XYZ(28.1046, 14.4521, 2.9576)

Have a look what the booklet for  
XYZ(28.1046, 14.4521, 2.9576)  
contains.

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# Color

**XYZ(28.0500, 14.4235,  
2.9747)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D60024
RGB	214, 0, 36
RGB Percent	84%, 0%, 14%
CMY	0.1608, 0.9998, 0.8588
CMYK	0.00, 1.00, 0.83, 0.16
HSL	350°, 100%, 42%
HSV	350°, 100%, 84%
XYZ	28.0500, 14.4235, 2.9747
YIQ	68.0900, 115.9880, 56.5640

# Conversions

## Conversions Part 2

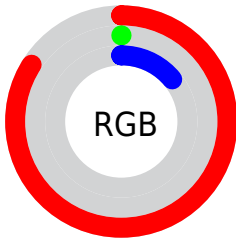
Format	Color
<a href="#">RYB</a>	214, 0, 36
Decimal	14024740
CIELab	44.83, 70.67, 44.65
CIELCh	45, 83.597, 32.284
Yxy	14.4235, 0.6172, 0.3174
Android (android.graphics.Color)	4292214820 (0xFFD60024)
YUV	68.0900, -15.8204, 127.9631
Hunter-Lab	37.9783, 65.3745, 21.9408

# Details

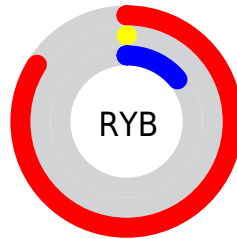
The XYZ color **28.0500, 14.4235, 2.9747** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **32.0874, 51.3093, 50.3557**, and the grayscale version is **5.5245, 5.8123, 6.3295**.

A 20% lighter version of the original color is **46.2527, 28.8486, 11.1132**, and **12.5777, 6.4840, 0.5886** is the 20% darker color. If you saturate the color by 10%, you get **28.0492, 14.4232, 2.9716**, and if you desaturate by 10%, it is **28.6691, 15.1134, 4.8721**.

# Distribution



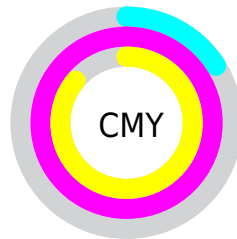
- Red (84%)
- Green (0%)
- Blue (14%)



- Red (84%)
- Yellow (0%)
- Blue (14%)



- Cyan (0%)
- Magenta (100%)
- Yellow (83%)
- Black (16%)



- Cyan (16%)
- Magenta (100%)
- Yellow (86%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0500, 14.4235, 2.9747 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 28.0500, 14.4235, 2.9747 by changing the saturation by 10% instead.





 28.0500, 14.4235,  
2.9747


 28.0500, 14.4235,  
2.9747


284.7815,  
219.8498, 136.0377


 18.5040, 8.4158,  
1.0817


 55.9723, 33.8386,  
11.5659


 11.4143, 4.3621,  
0.0000


 75.0794, 48.0148,  
19.1013

 6.4156, 1.8781,  
0.0000


 98.1042, 65.6826,  
29.3545

 3.1424, 0.5352,  
0.0000

 125.4121, 87.2264,  
42.7442

 1.2295, 0.0000,  
0.0000

 157.3684,  
113.0307, 59.6888


 0.1295, 0.0000,  
0.0000


 194.3385,


 0.0000, 0.0000,


143.4797, 80.6069


0.0000


 236.6877,  
178.9579, 105.9170


 28.0500, 14.4235,  
2.9747


 28.0500, 14.4235,  
2.9747

 28.0492, 14.4232,  
2.9716

 28.6691, 15.1134,  
4.8721

 29.7466, 16.4754,  
7.6763

 31.3992, 18.7189,  
11.5003

 33.6962, 21.9613,  
16.4324

 36.6968, 26.3022,  
22.5512

■ 40.4533, 31.8288,  
29.9278

■ 45.0133, 38.6196,  
38.6278

■ 50.4199, 46.7465,  
48.7120

■ 56.7136, 56.2757,  
60.2376

# Harmonies

## Analogous

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



31.4271, 14.4235, 14.2553



28.0500, 14.4235, 2.9747



20.7562, 14.4235, 0.2304

# Triad

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



28.0500, 14.4235, 2.9747



5.0695, 14.4235, 3.9141



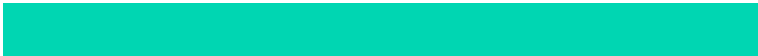
14.2383, 14.4235, 91.0400

# Complementary

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



28.0500, 14.4235, 2.9747



32.0874, 51.3093, 50.3557

# 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.



8.4705, 14.4235, 77.9189



28.0500, 14.4235, 2.9747



4.3381, 14.4235, 17.2492

# Square

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



28.0500, 14.4235, 2.9747



7.8307, 14.4235, 0.4633



5.3435, 14.4235, 45.5110



21.9725, 14.4235, 73.6463



# Rectangle

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



28.0500, 14.4235, 2.9747



15.5460, 14.4235, 0.0000



5.3435, 14.4235, 45.5110



12.0229, 14.4235, 90.0427

# Sweetspot

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



28.0503, 14.4244, 2.9749



66.7032, 57.0774, 56.9971



29.7667, 13.9439, 64.7404



13.6306, 11.2515, 10.9737



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.



28.0503, 14.4244, 2.9749



41.6733, 21.4333, 4.2119



29.7865, 18.4060, 1.9841



12.5076, 12.4545, 13.3471



16.9801, 8.7284, 1.9335



1.0509, 0.5372, 0.2575



# Inverse Universe

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



28.0503, 14.4244, 2.9749



41.6733, 21.4333, 4.2119



22.4552, 25.4895, 67.3543



12.5076, 12.4545, 13.3471



16.9801, 8.7284, 1.9335



1.0509, 0.5372, 0.2575



# Previews

## White Background



This preview shows how the XYZ color 28.0500, 14.4235, 2.9747 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 28.0500, 14.4235, 2.9747**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.0500, 14.4235, 2.9747.



This preview shows how white text looks on a background with the XYZ color 28.0500, 14.4235,



# 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

28.0500, 14.4235, 2.9747

### Protanopia

13.7088, 14.9425, 6.0325

### Deuteranopia

15.2394, 15.0479, 2.4821



# Tritanopia

27.6734, 14.6119, 1.3618

# Trichromacy



## Original Color

28.0500, 14.4235, 2.9747

## Protanomaly

16.0089, 11.3480, 4.2524

## Deuteranomaly

17.6006, 11.9499, 2.0884

## Tritanomaly

27.6447, 14.4381, 1.7106

# Monochromacy



## Original Color

28.0500, 14.4235, 2.9747

## Achromatopsia

5.4944, 5.7805, 6.2950

## Achromatomaly

9.4628, 6.0782, 4.4158

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.0500, 14.4235, 2.9747 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, 0, 36)` looks like.

```
.text, #text, p{  
  color:rgb(214, 0, 36)  
}
```

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, 0, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 0, 36) }
```

## Border

The CSS property to change the border of an element to XYZ 28.0500, 14.4235, 2.9747 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, 0, 36) }
```



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

```
.border{ border-color:rgb(214, 0, 36) }
```

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

Here you see how a box with a 4 pixel rgb(214, 0, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 0, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 0, 36);  
box-shadow:4px 4px 4px 4px rgb(214, 0, 36)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 28.0500, 14.4235, 2.9747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 0, 36) }
```

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

```
.background{ background-color: rgb(214, 0,  
36) }
```

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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