

# Converting Colors

XYZ(28.0166, 14.8770, 2.9167)

Have a look what the booklet for  
XYZ(28.0166, 14.8770, 2.9167)  
contains.

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# Color

**XYZ(28.0357, 14.8744,  
2.9068)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D51722
RGB	213, 23, 34
RGB Percent	84%, 9%, 13%
CMY	0.1647, 0.9097, 0.8667
CMYK	0.00, 0.89, 0.84, 0.16
HSL	357°, 80%, 46%
HSV	357°, 89%, 84%
XYZ	28.0357, 14.8744, 2.9068
YIQ	81.0640, 109.7090, 43.7010

# Conversions

## Conversions Part 2

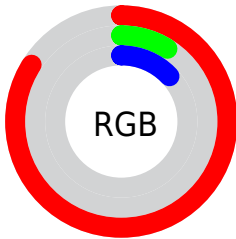
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">213, 23, 34</a>
Decimal	<a href="#">13965090</a>
CIELab	<a href="#">45.46, 67.91, 46.19</a>
CIElCh	<a href="#">45, 82.134, 34.223</a>
Yxy	<a href="#">14.8744, 0.6119, 0.3246</a>
Android (android.graphics.Color)	<a href="#">4292155170</a> ( <a href="#">0xFFD51722</a> )
YUV	<a href="#">81.0640, -23.2026, 115.7079</a>
Hunter-Lab	<a href="#">38.5673, 62.2639, 22.5285</a>

# Details

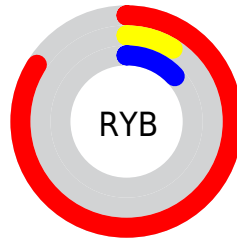
The XYZ color **28.0357, 14.8744, 2.9068** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **34.8115, 52.0360, 64.1013**, and the grayscale version is **7.8655, 8.2751, 9.0116**.

A 20% lighter version of the original color is **46.6907, 29.8446, 10.8891**, and **12.3944, 6.3896, 0.5800** is the 20% darker color. If you saturate the color by 10%, you get **27.5379, 14.2150, 1.7054**, and if you desaturate by 10%, it is **29.0207, 16.2388, 5.1035**.

# Distribution



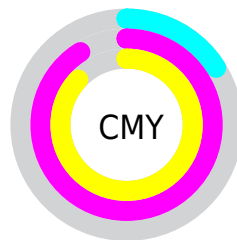
- Red (84%)
- Green (9%)
- Blue (13%)



- Red (84%)
- Yellow (9%)
- Blue (13%)



- Cyan (0%)
- Magenta (89%)
- Yellow (84%)
- Black (16%)




- Cyan (16%)
- Magenta (91%)
- Yellow (87%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0357, 14.8744, 2.9068 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 28.0357, 14.8744, 2.9068 by changing the saturation by 10% instead.



 28.0357, 14.8744,  
2.9068


 28.0357, 14.8744,  
2.9068


284.7144,  
222.6047, 135.1646

 18.4932, 8.7313,  
1.0472


 55.9497, 34.6327,  
11.3976


 11.4065, 4.5663,  
0.0000


 75.0518, 49.0167,  
18.8659


 6.4102, 1.9951,  
0.0000


 98.0712, 66.9164,  
29.0409

 3.1391, 0.6046,  
0.0000

 125.3732, 88.7162,  
42.3410

 1.2277, 0.0000,  
0.0000

 157.3232,  
114.8005, 59.1850


 0.1281, 0.0000,  
0.0000


 194.2865,


 0.0000, 0.0000,


145.5538, 79.9912


0.0000


 236.6285,  
181.3604, 105.1782


 28.0357, 14.8744,  
2.9068


 28.0357, 14.8744,  
2.9068


 27.5379, 14.2150,  
1.7054


 29.0207, 16.2388,  
5.1035

 27.5086, 14.1733,  
1.6436

 30.6075, 18.4951,  
8.4600

 32.8723, 21.7623,  
13.1069

 35.8799, 26.1400,  
19.1573

 39.6874, 31.7163,  
26.7118

■ 44.3464, 38.5701,  
35.8618

■ 49.9043, 46.7738,  
46.6916

■ 56.4046, 56.3943,  
59.2793

■ 63.8885, 67.4941,  
73.6983

# Harmonies

## Analogous

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



31.7240, 14.8744, 13.5776



28.0357, 14.8744, 2.9068



20.6615, 14.8744, 0.3091

# Triad

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



28.0357, 14.8744, 2.9068



5.2948, 14.8744, 4.7188



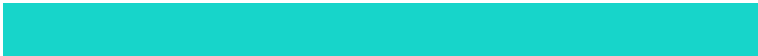
15.1283, 14.8744, 90.2631

# Complementary

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



28.0357, 14.8744, 2.9068



34.8115, 52.0360, 64.1013

# 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.



9.1557, 14.8744, 79.2833



28.0357, 14.8744, 2.9068



4.6607, 14.8744, 19.1304

# Square

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



28.0357, 14.8744, 2.9068



7.9567, 14.8744, 0.7319



5.8141, 14.8744, 47.9505



22.8977, 14.8744, 71.5532



# Rectangle

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



28.0357, 14.8744, 2.9068



15.5029, 14.8744, 0.0000



5.8141, 14.8744, 47.9505



12.8550, 14.8744, 89.9837

# Sweetspot

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



28.0360, 14.8753, 2.9070



68.1387, 60.1643, 56.8099



36.2259, 17.7433, 64.4658



14.0166, 12.0407, 11.0491



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.



28.0360, 14.8753, 2.9070



41.3243, 21.2937, 2.3740



32.6823, 24.3821, 3.7956



12.4521, 12.4323, 13.0548



16.8160, 8.6627, 1.0692



1.0247, 0.5267, 0.1196



# Inverse Universe

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



28.0360, 14.8753, 2.9070



41.3243, 21.2937, 2.3740



20.4371, 21.1326, 65.9522



12.4521, 12.4323, 13.0548



16.8160, 8.6627, 1.0692



1.0247, 0.5267, 0.1196



# Previews

## White Background



This preview shows how the XYZ color 28.0357, 14.8744, 2.9068 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 28.0357, 14.8744, 2.9068 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 28.0357, 14.8744, 2.9068**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.0357, 14.8744, 2.9068.



This preview shows how white text looks on a background with the XYZ color 28.0357, 14.8744,

2.9068.

# 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

28.0357, 14.8744, 2.9068

### Protanopia

13.8802, 15.1967, 5.6917

### Deuteranopia

15.3644, 15.1169, 2.2804



## Tritanopia

27.9145, 14.8919, 2.0650

# Trichromacy



## Original Color

28.0357, 14.8744, 2.9068

## Protanomaly

16.5639, 12.5240, 4.2337

## Deuteranomaly

18.0594, 12.9343, 2.0349

## Tritanomaly

27.9427, 14.8696, 2.3171

# Monochromacy



## Original Color

28.0357, 14.8744, 2.9068

## Achromatopsia

7.8210, 8.2283, 8.9606

## Achromatomaly

11.5945, 8.2690, 5.8355

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.0357, 14.8744, 2.9068 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(213, 23, 34)` looks like.

```
.text, #text, p{  
    color:rgb(213, 23, 34)  
}
```

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(213, 23, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 23, 34) }
```

## Border

The CSS property to change the border of an element to XYZ 28.0357, 14.8744, 2.9068 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(213, 23, 34) }
```



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

```
.border{ border-color:rgb(213, 23, 34) }
```

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

Here you see how a box with a 4 pixel rgb(213, 23, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 23, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 23, 34);  
box-shadow:4px 4px 4px 4px rgb(213, 23,  
34) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.0357, 14.8744, 2.9068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 23, 34) }
```

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

```
.background{ background-color: rgb(213, 23,  
34) }
```

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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